

FIG. 1

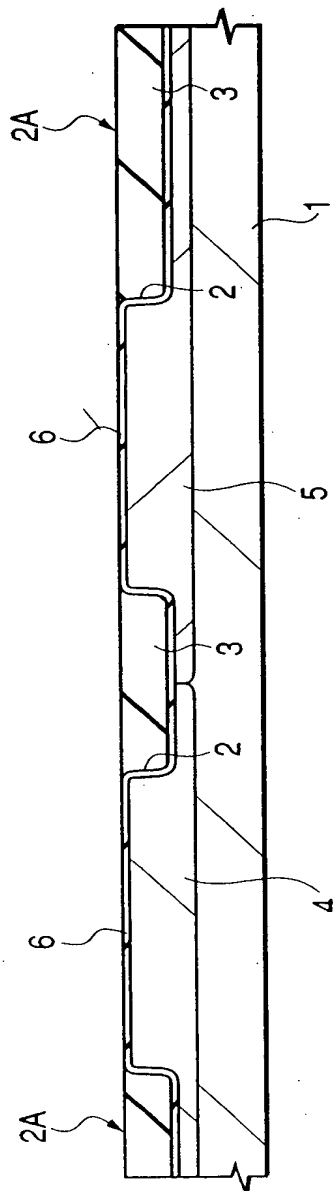


FIG. 2

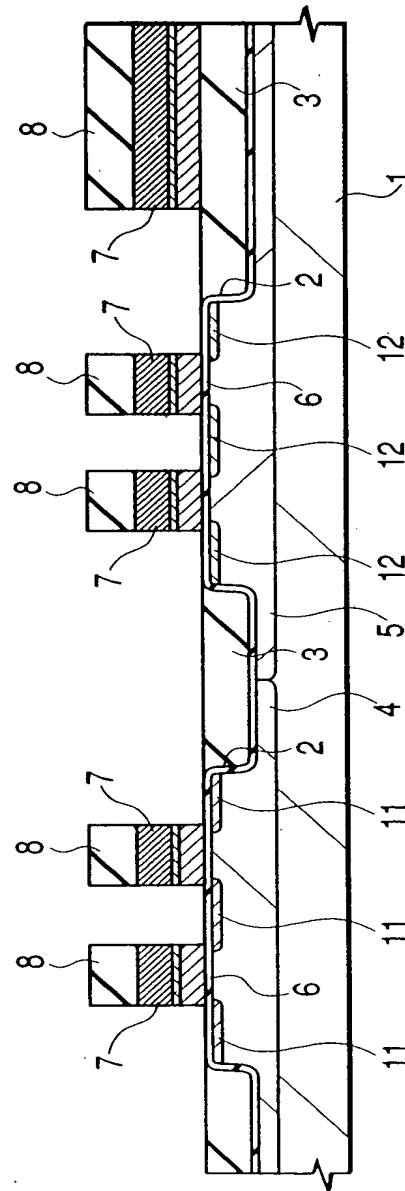


FIG. 3

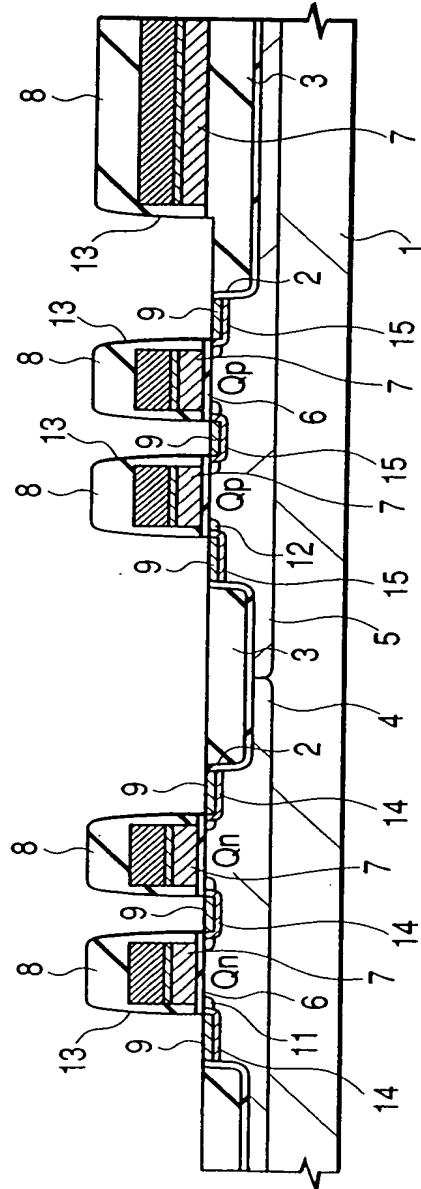


FIG. 4

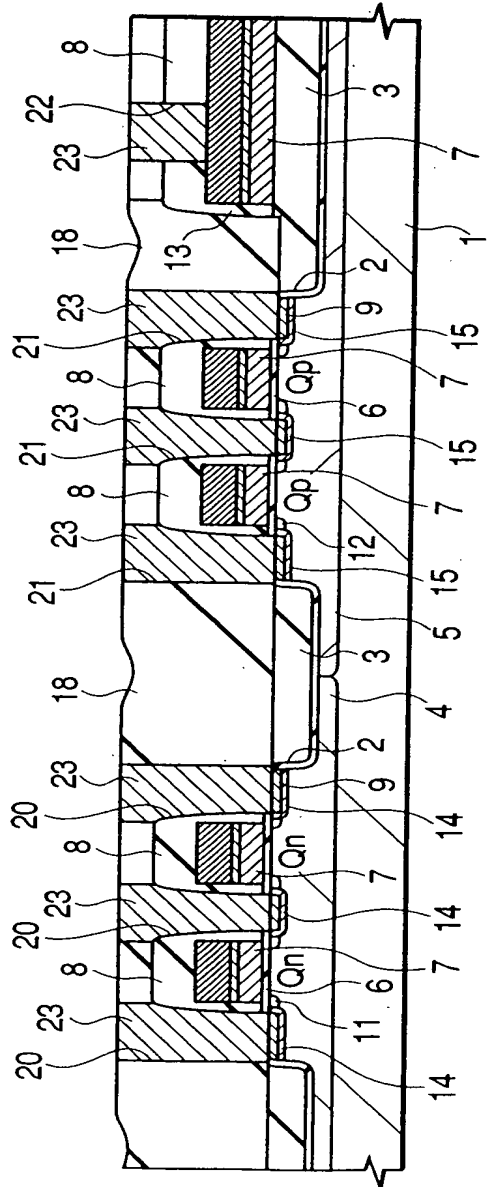
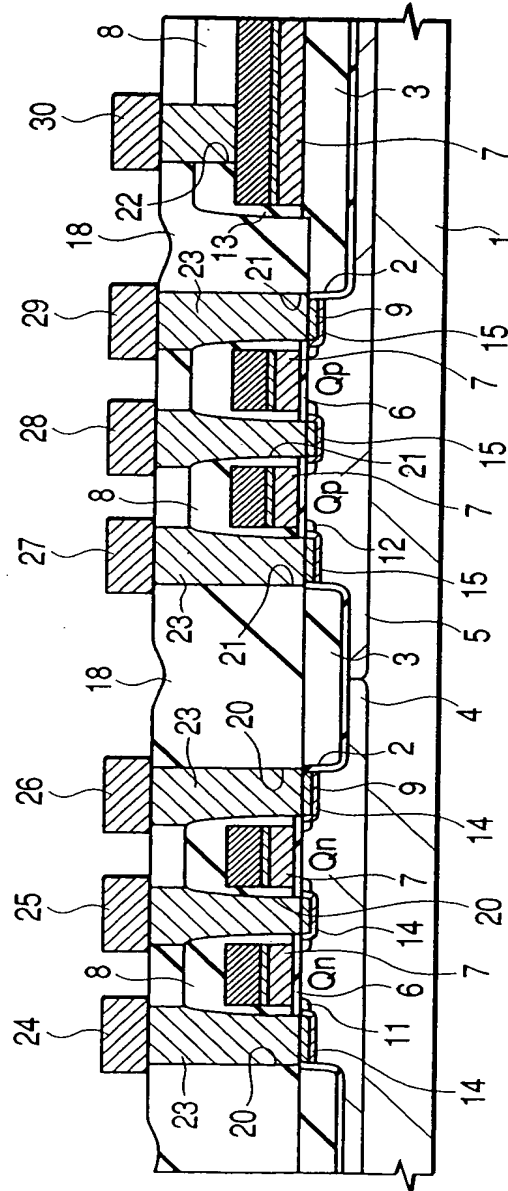
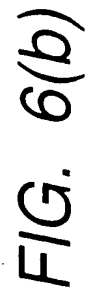
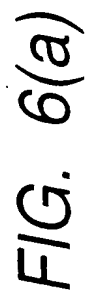


FIG. 5





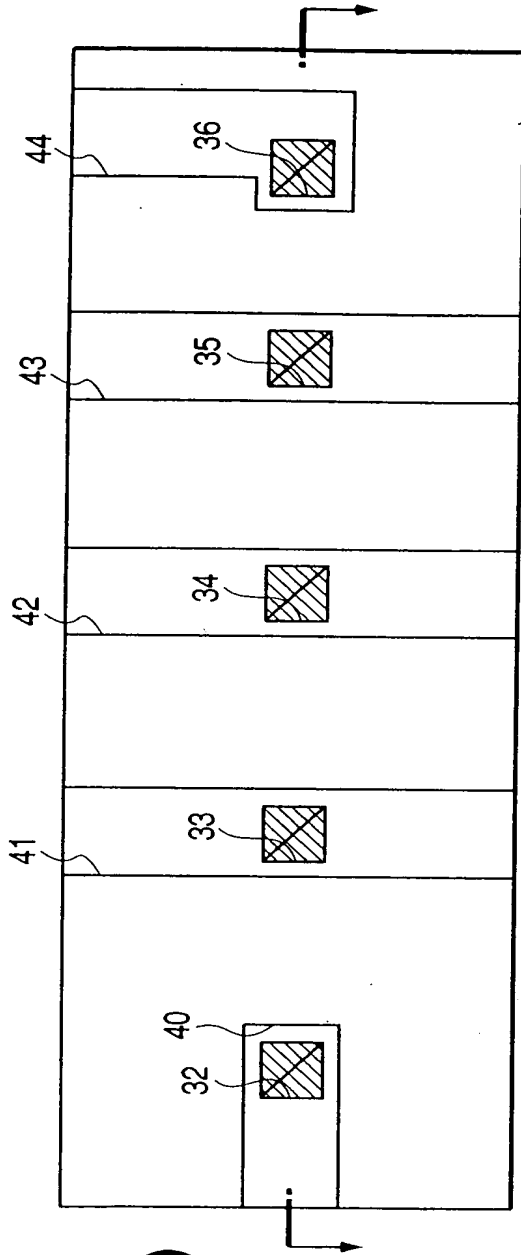


FIG. 7(a)

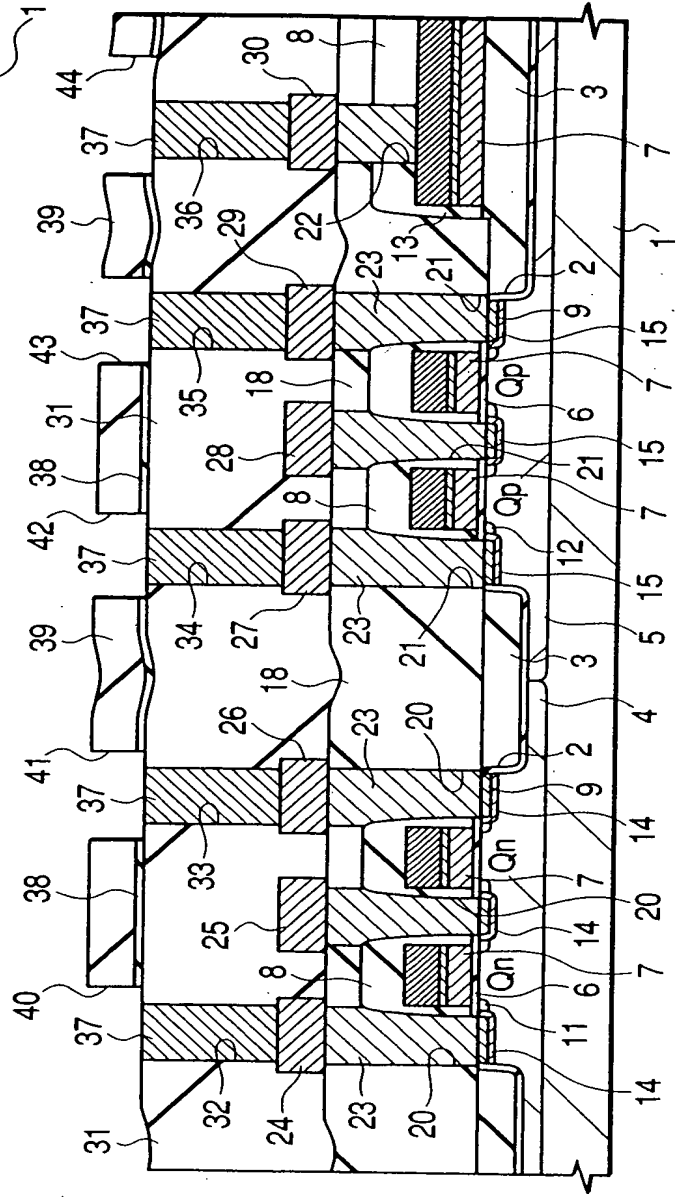


FIG. 7(b)

FIG. 8

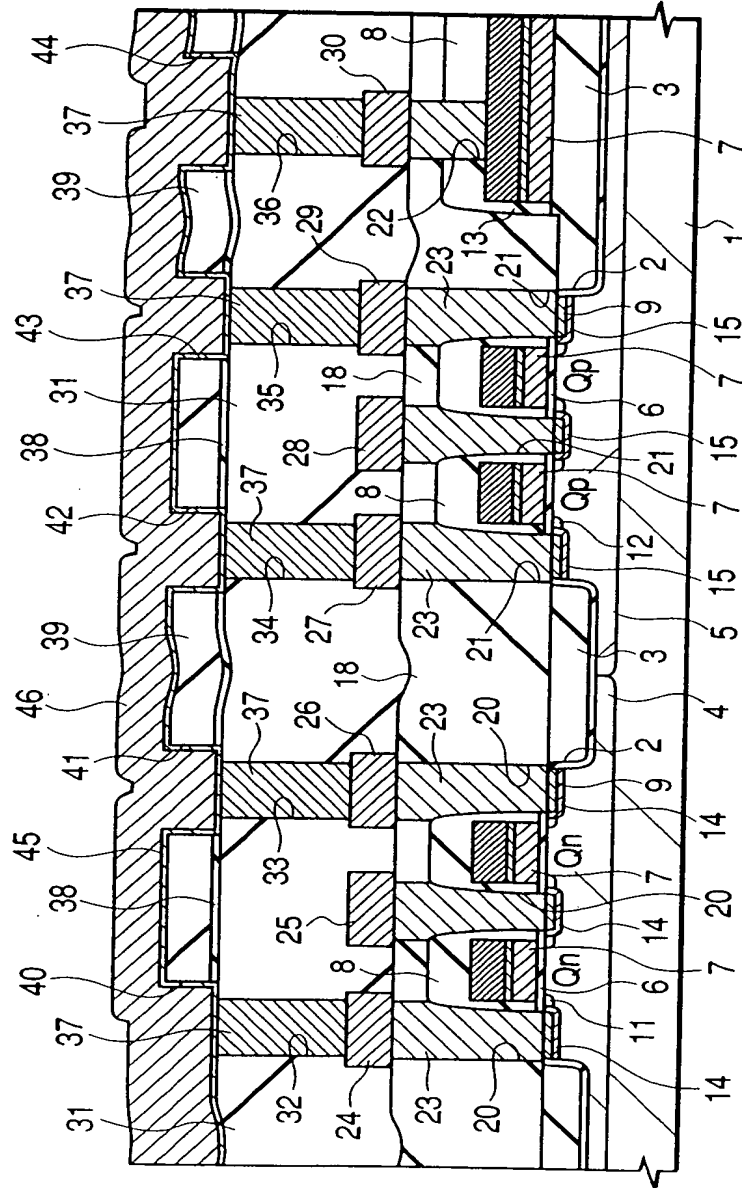


FIG. 9

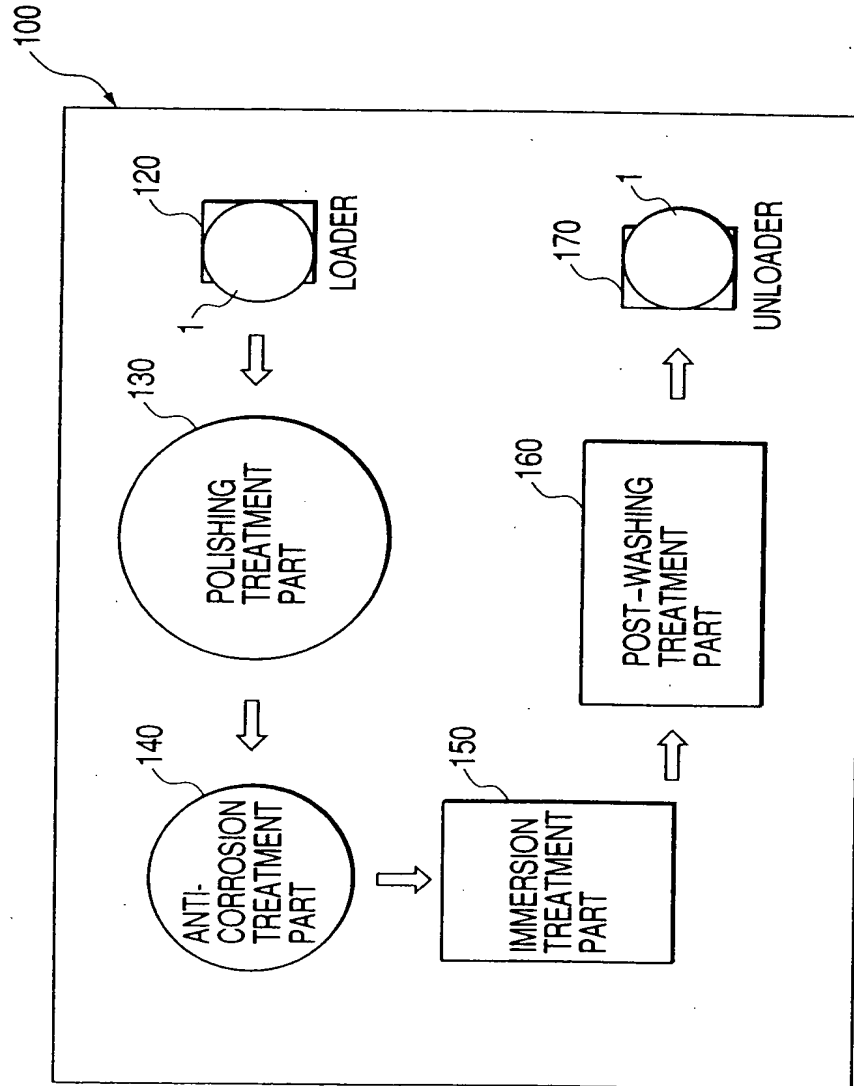


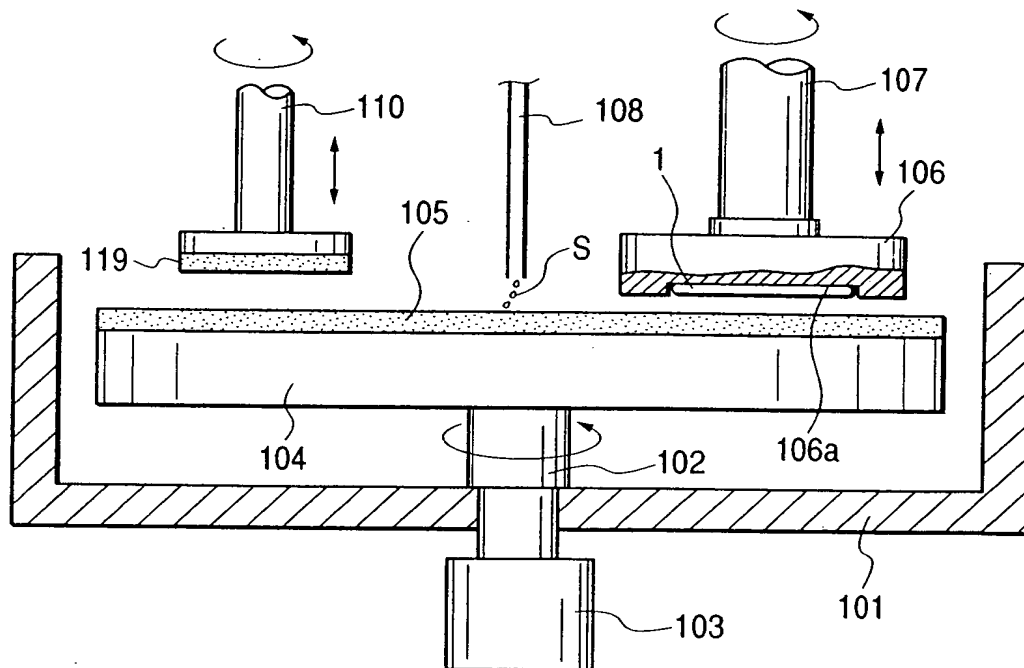
FIG. 10

FIG. 11

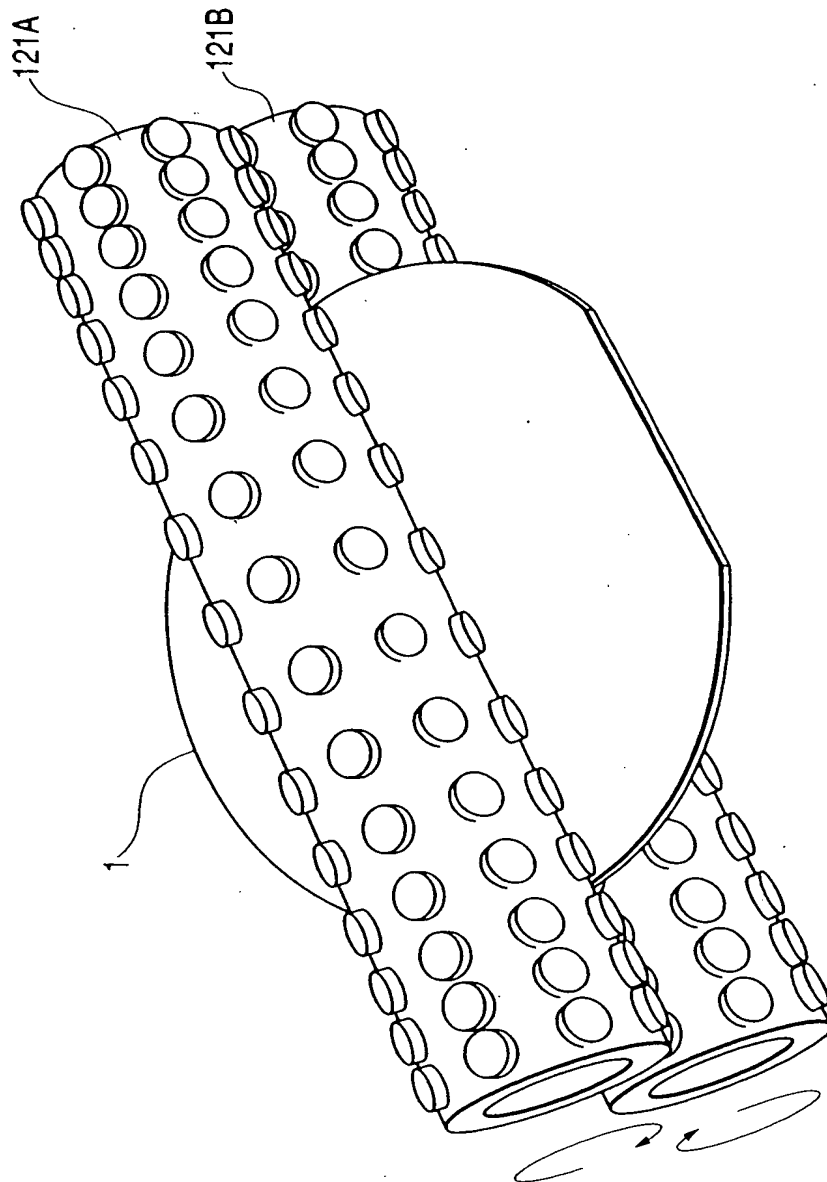


FIG. 12

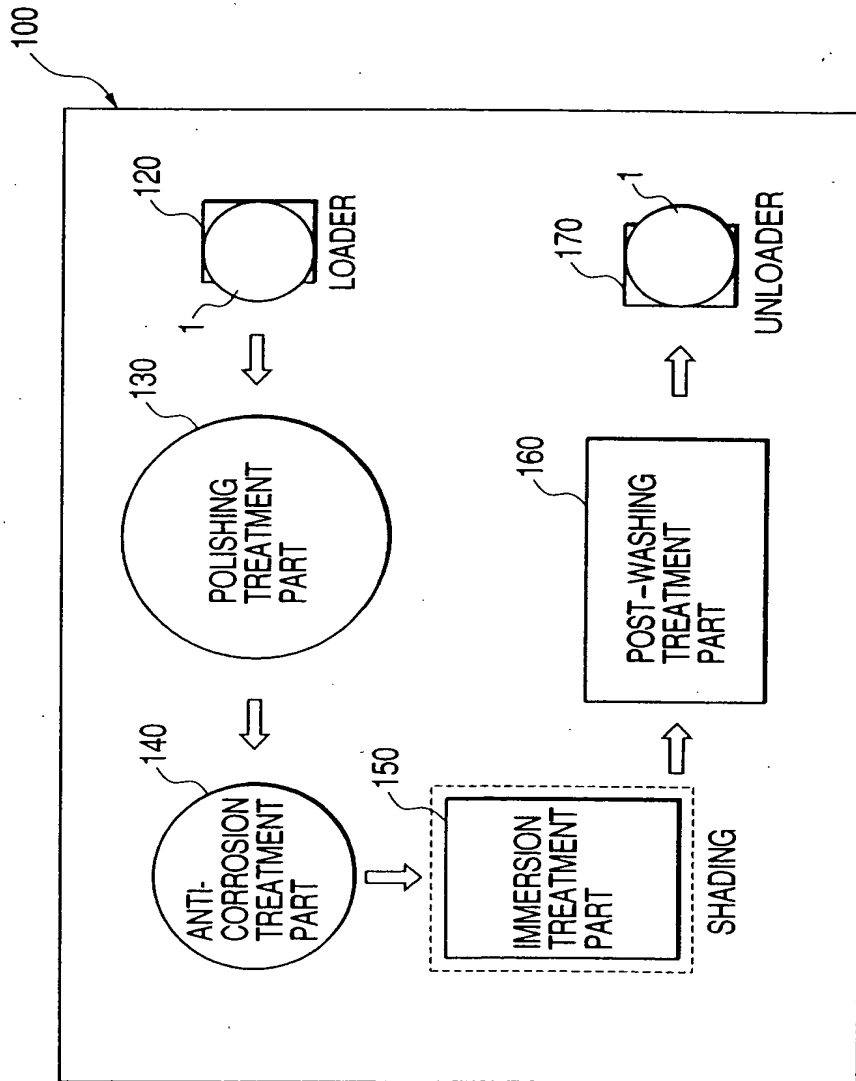


FIG. 13

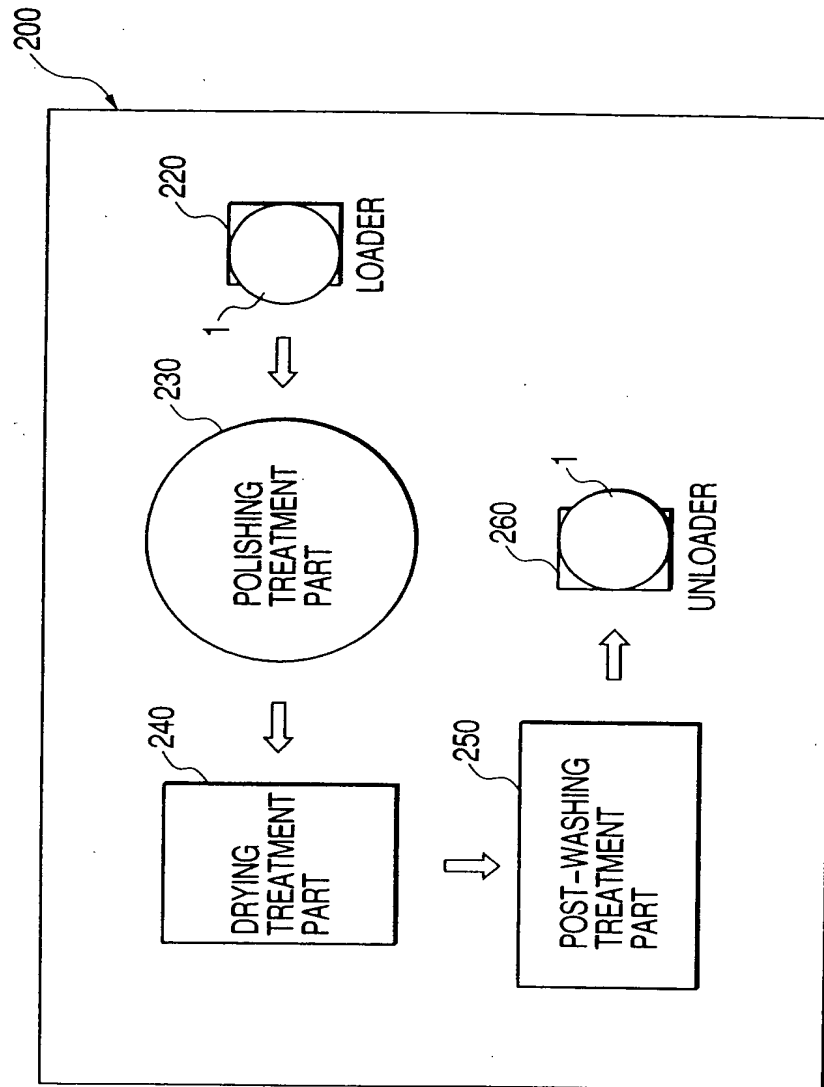


FIG. 15(b)

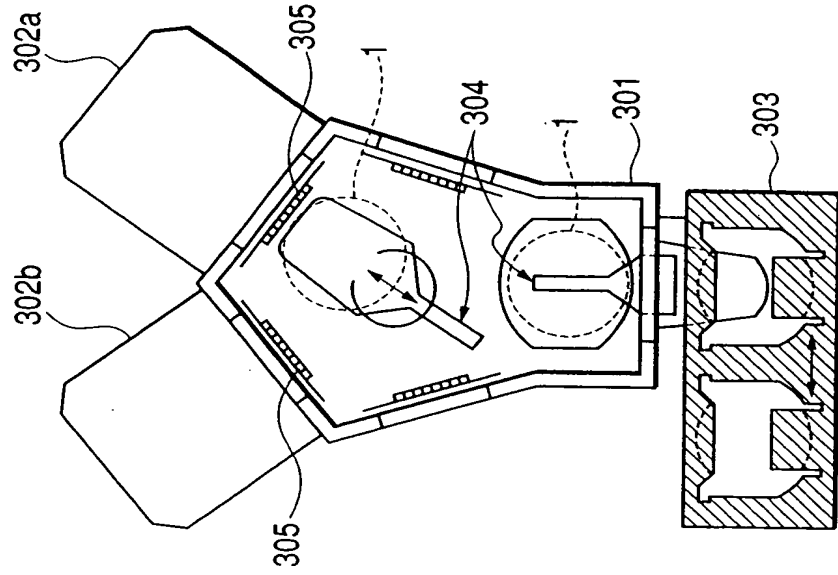


FIG. 15(a)

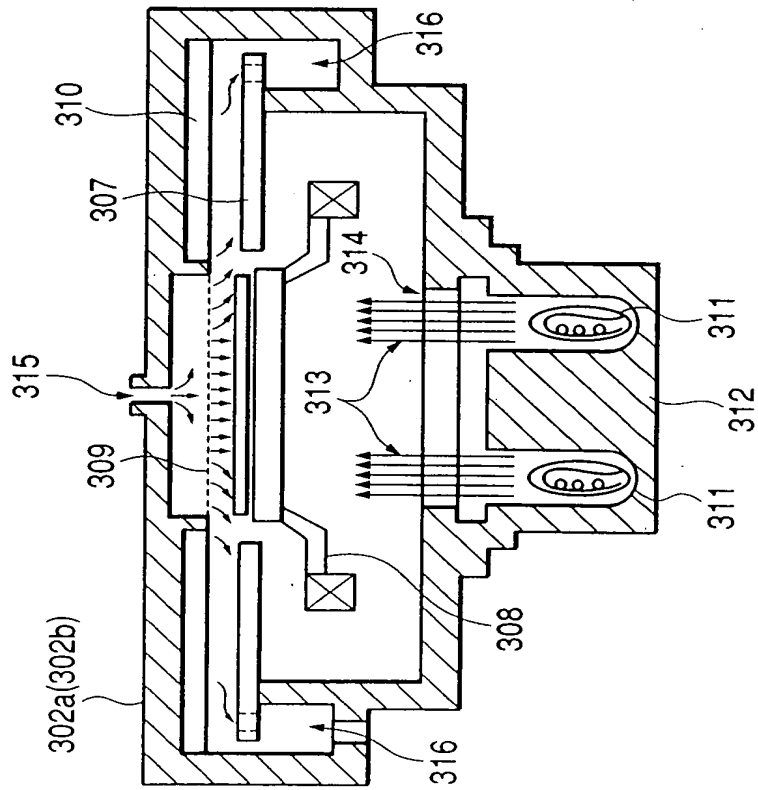


FIG. 16

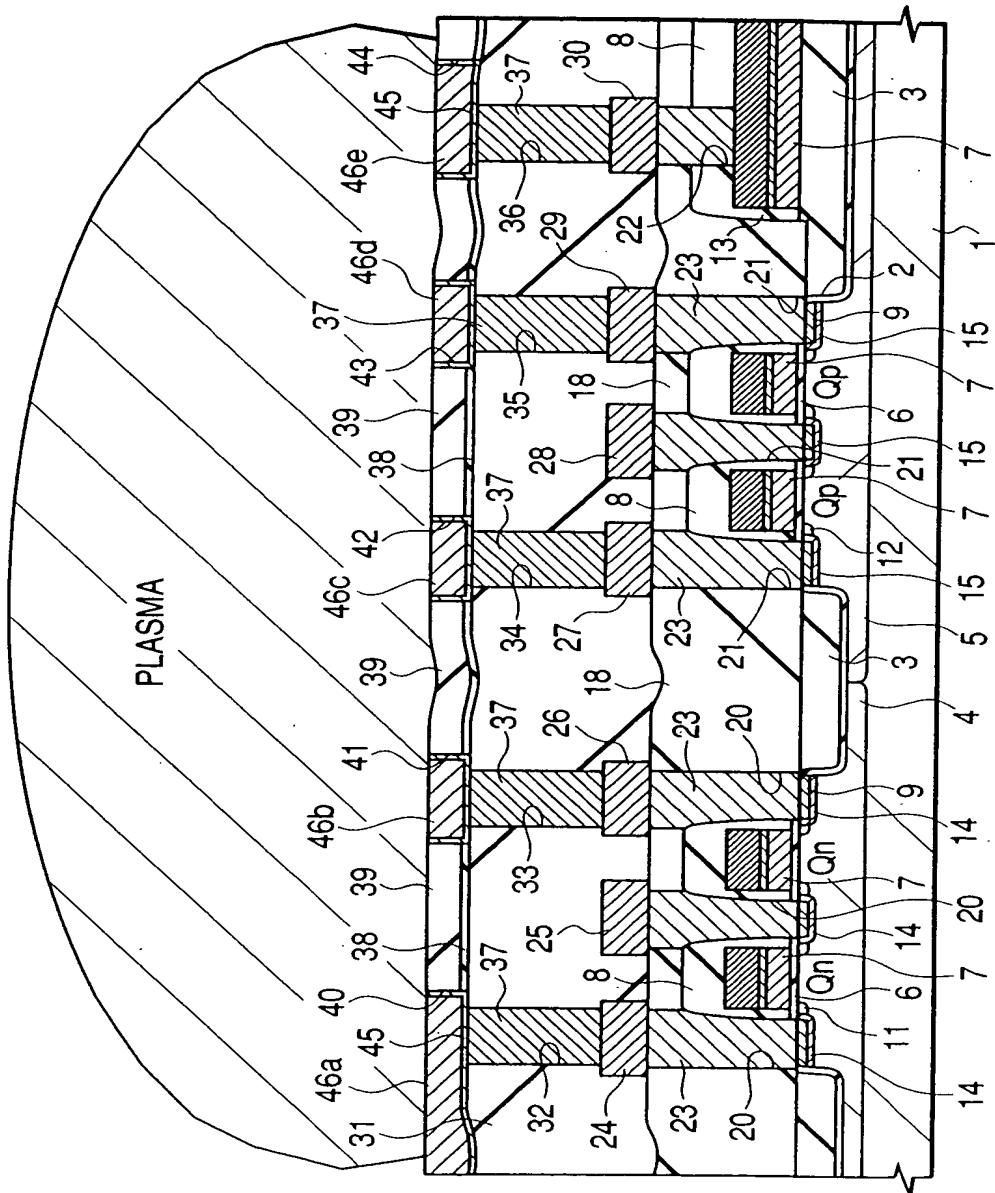


FIG. 17

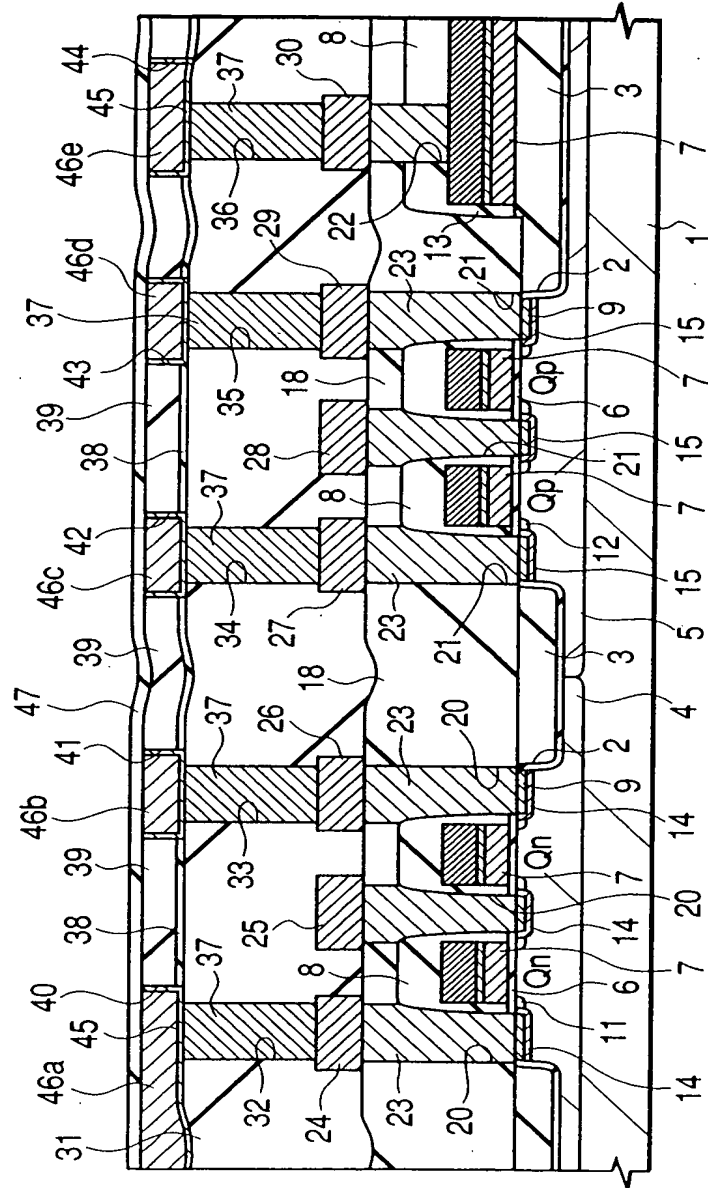


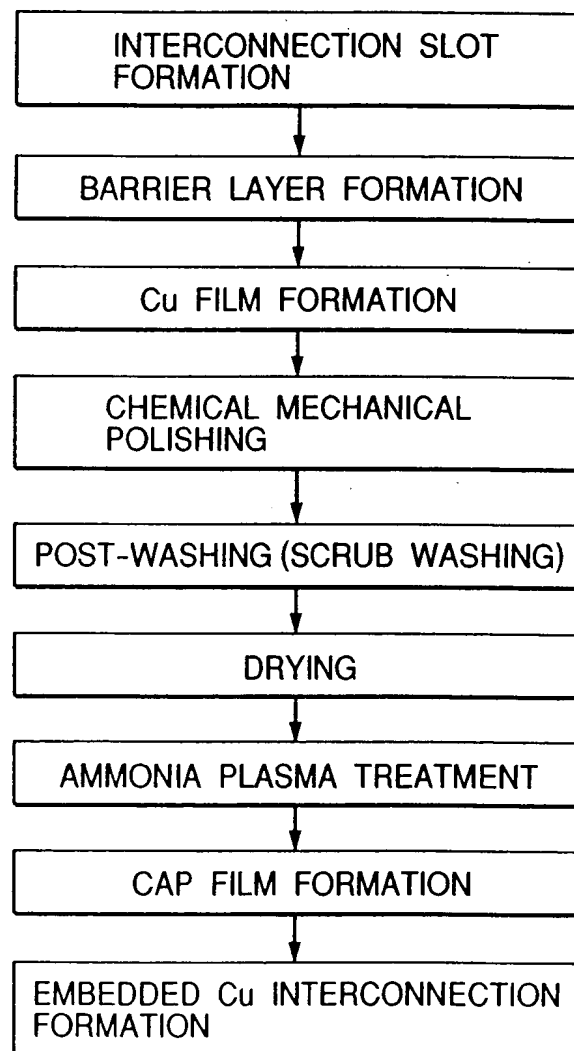
FIG. 18

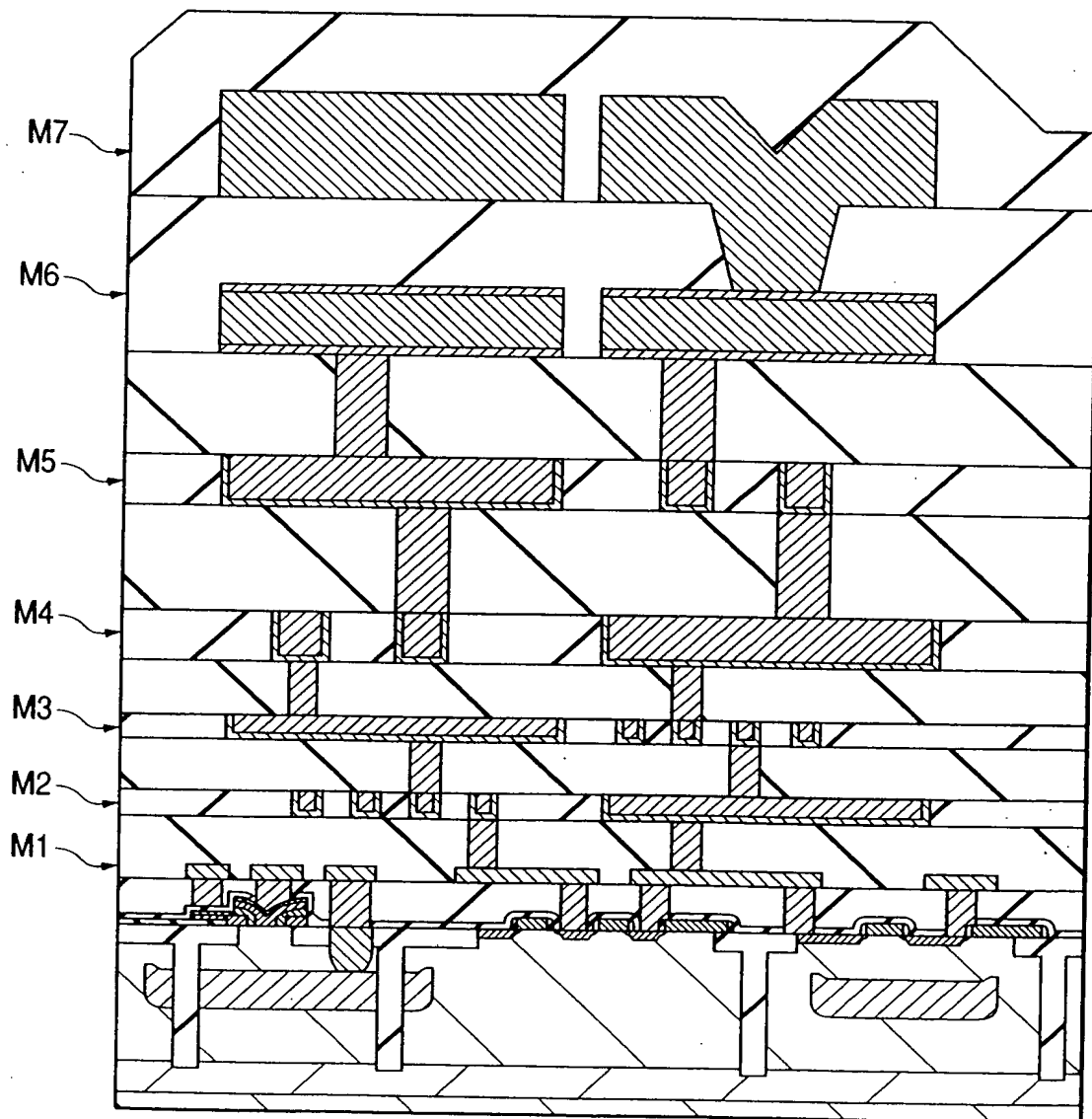
FIG. 19

FIG. 20

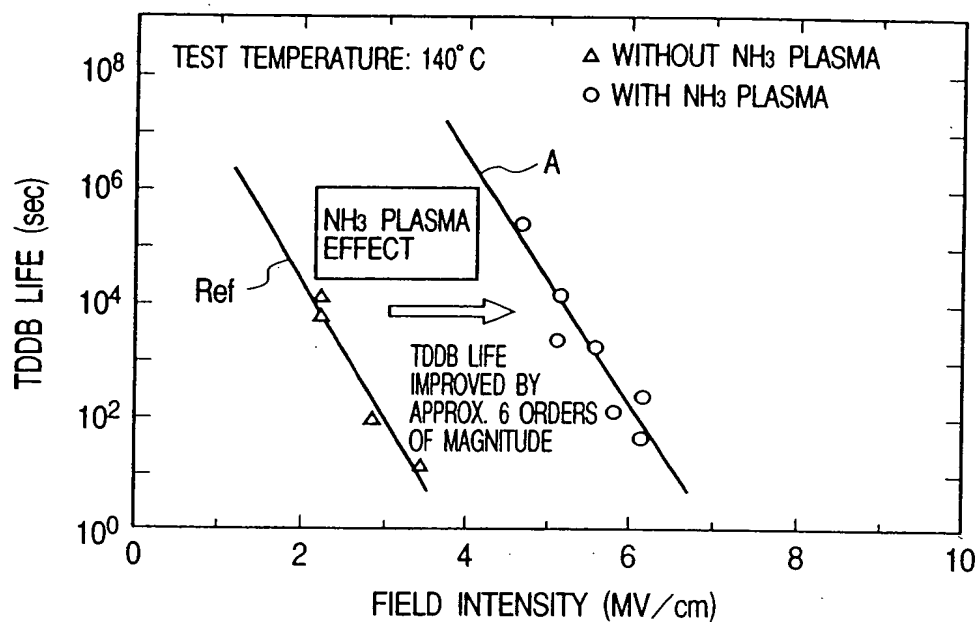


FIG. 21

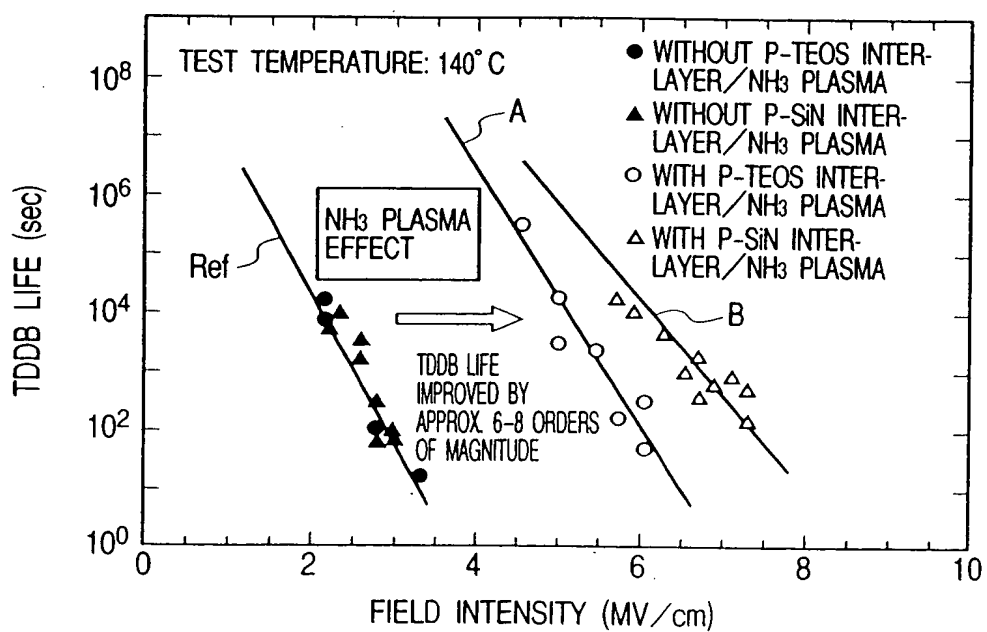


FIG. 22(a)

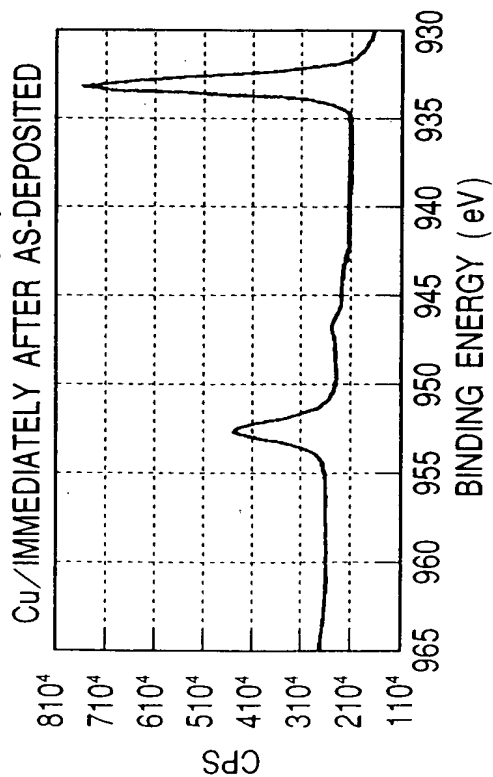


FIG. 22(b)

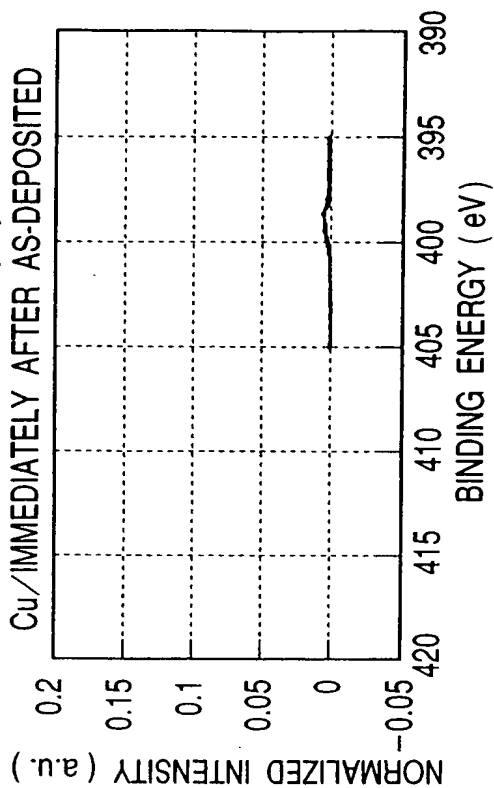


FIG. 22(c)

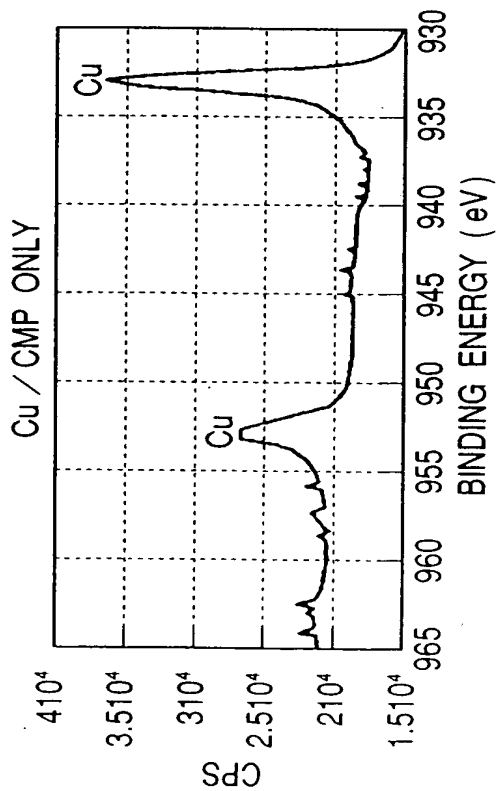


FIG. 22(d)

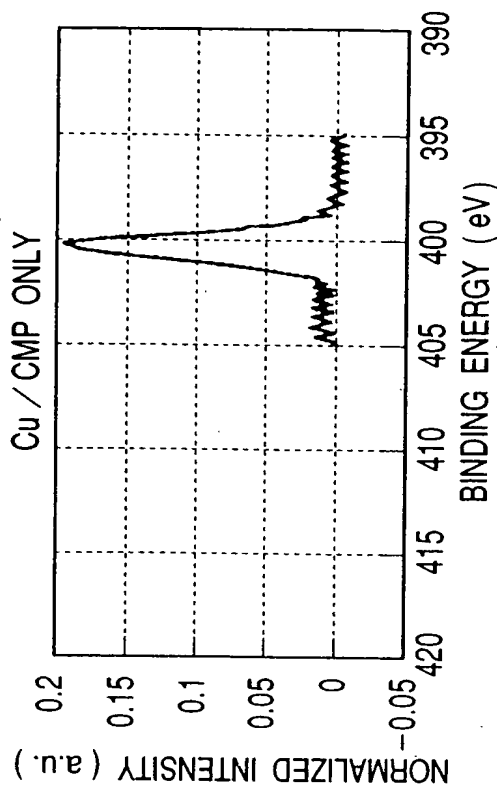


FIG. 23(a)

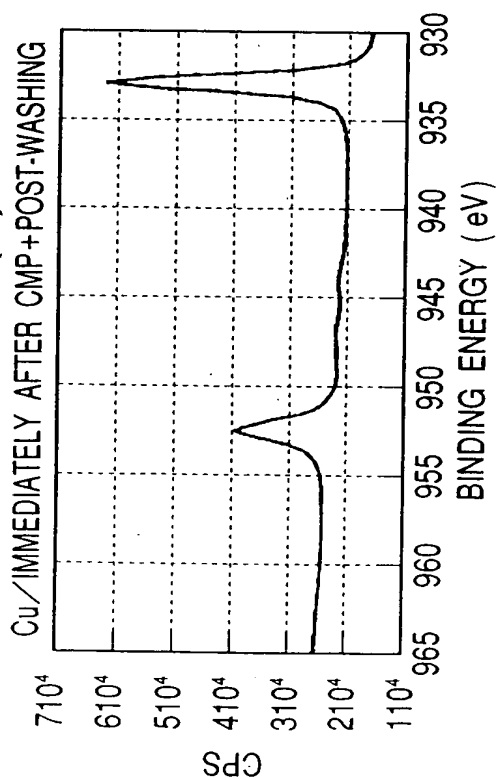


FIG. 23(b)

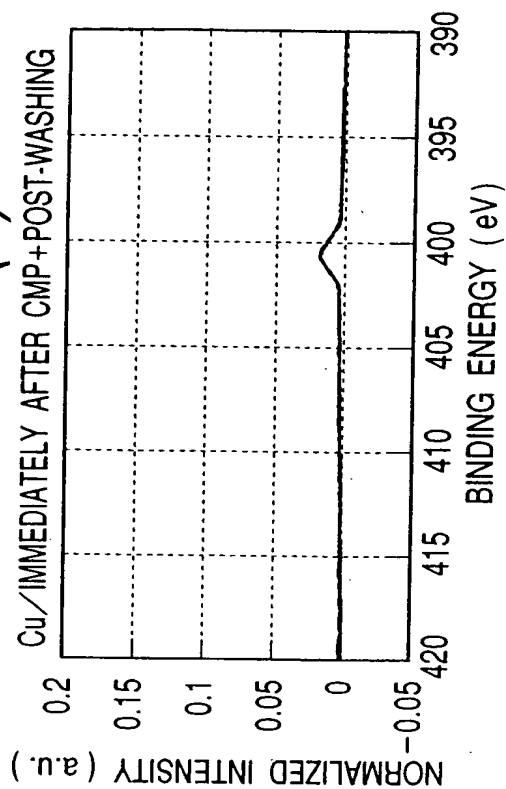


FIG. 23(c)

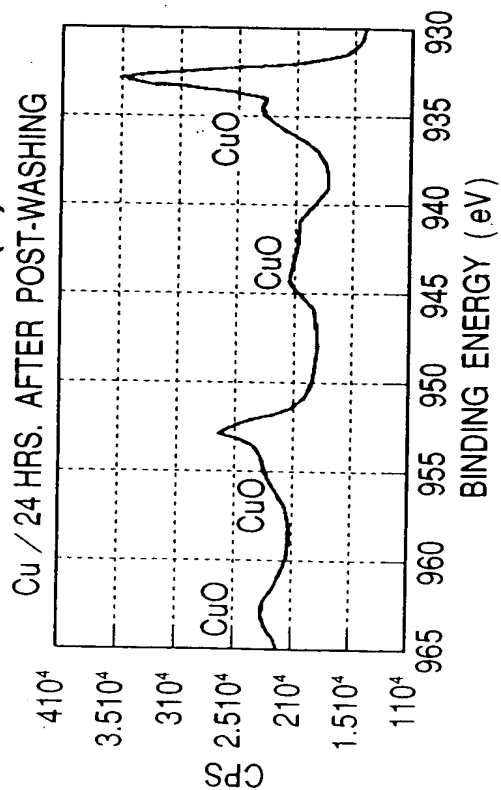


FIG. 23(d)

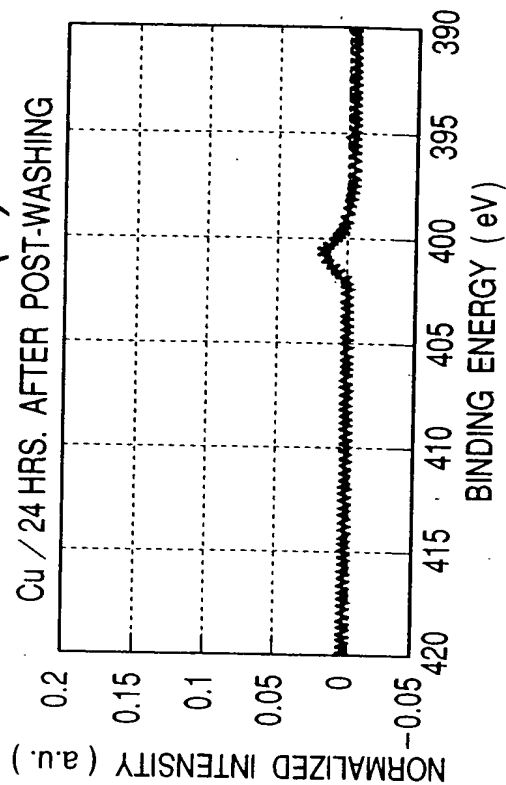


FIG. 24(a)

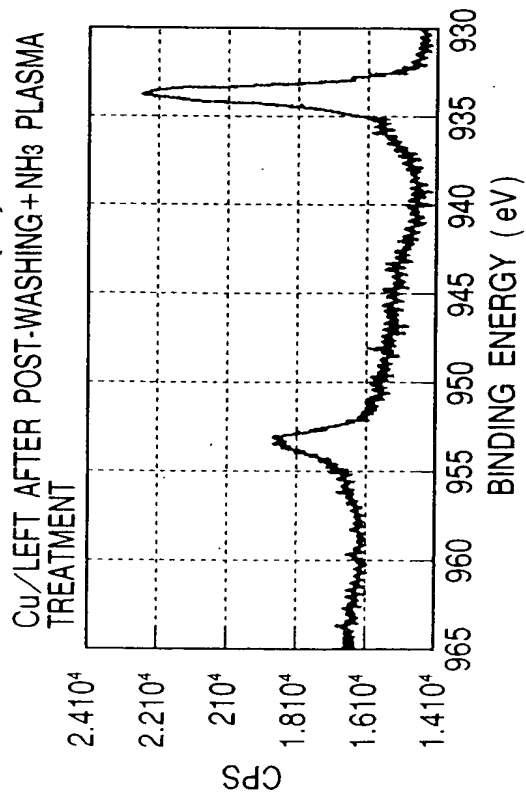


FIG. 24(b)

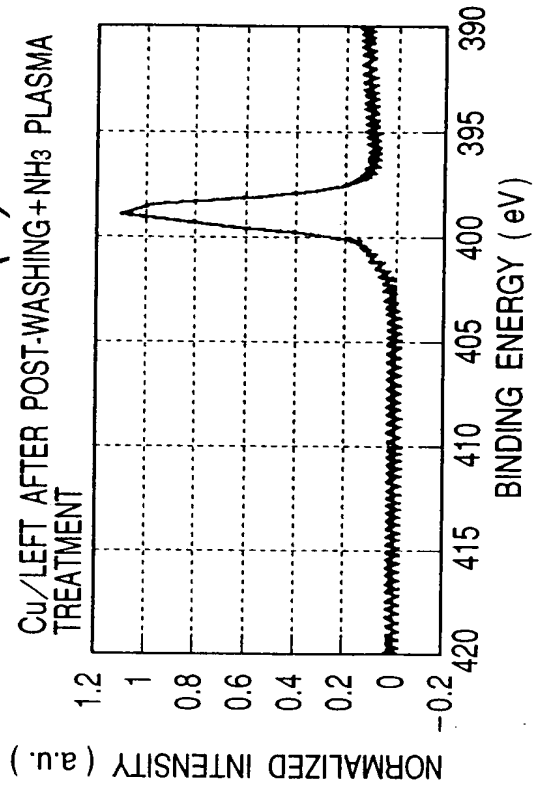


FIG. 24(c)

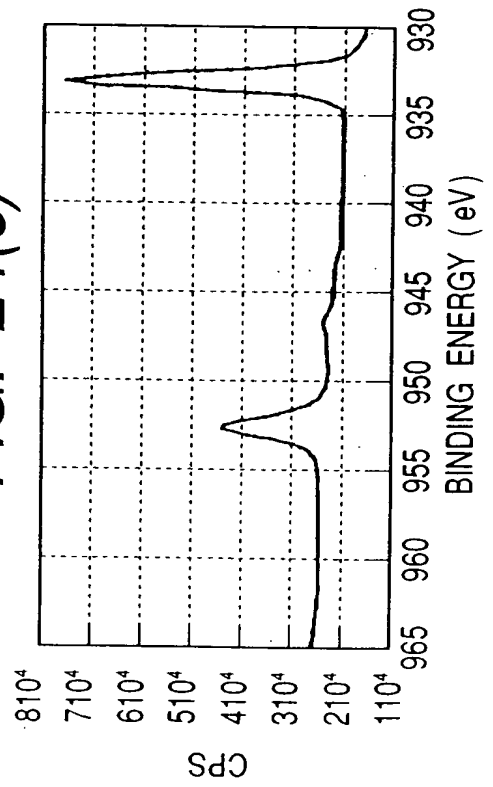


FIG. 24(d)

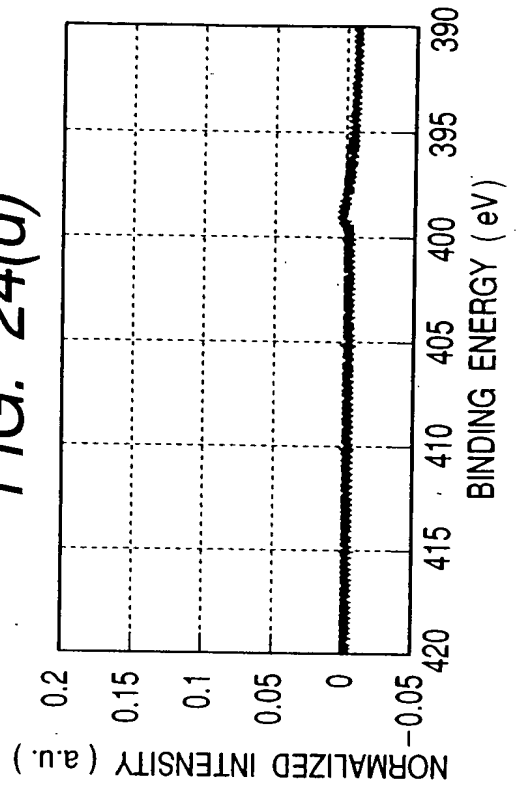


FIG. 25(a)

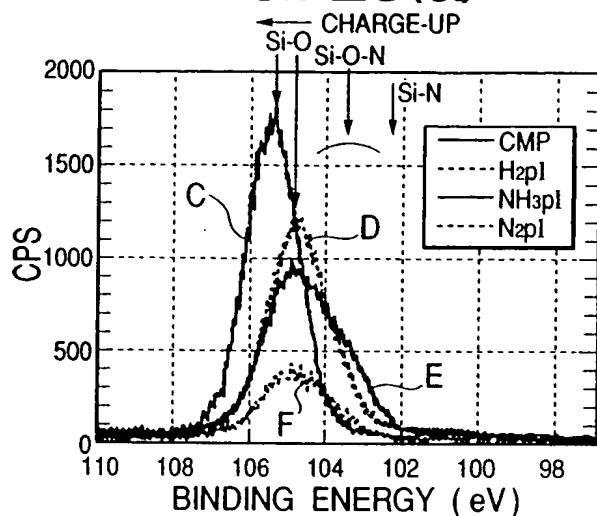


FIG. 25(b)

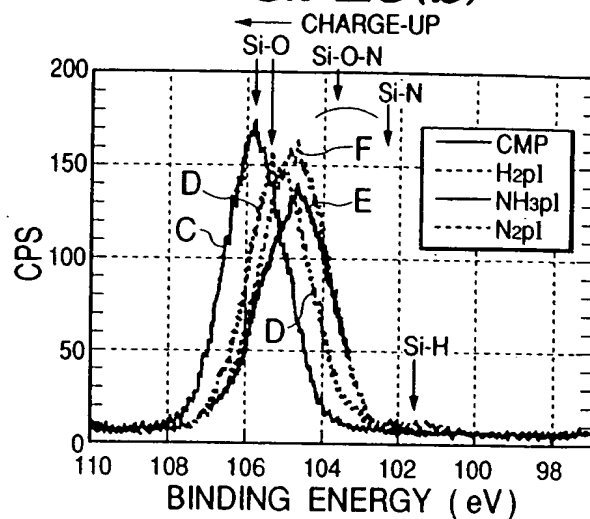


FIG. 25(c)

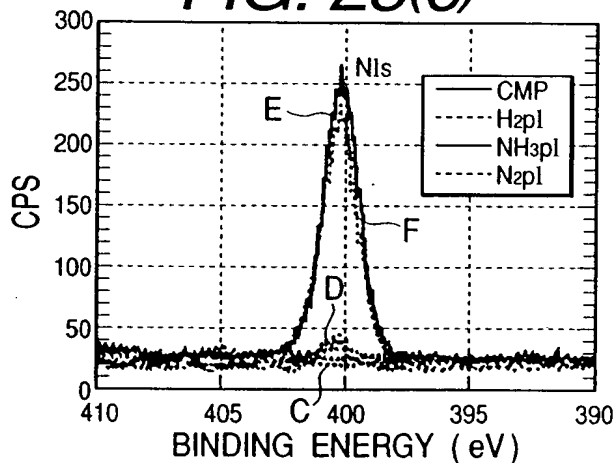


FIG. 25(d)

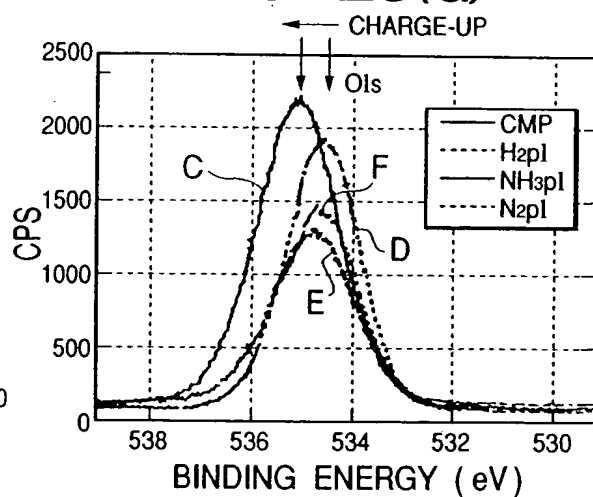


FIG. 25(e)

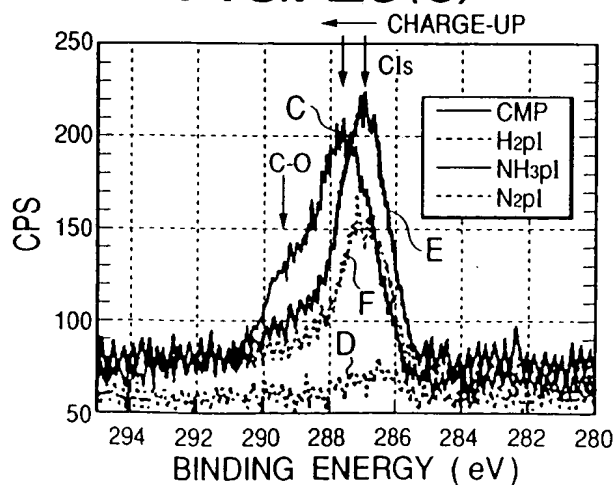
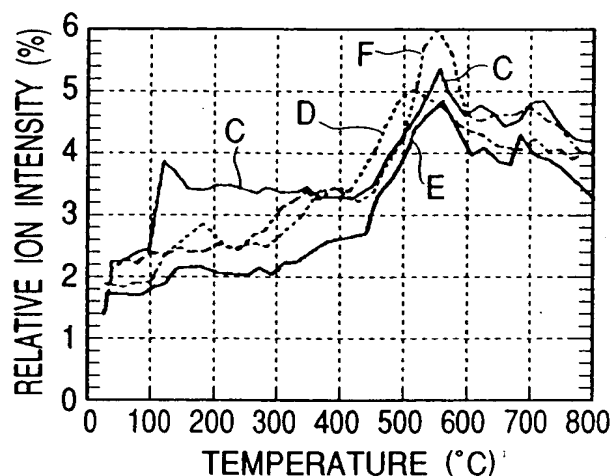


FIG. 25(f)

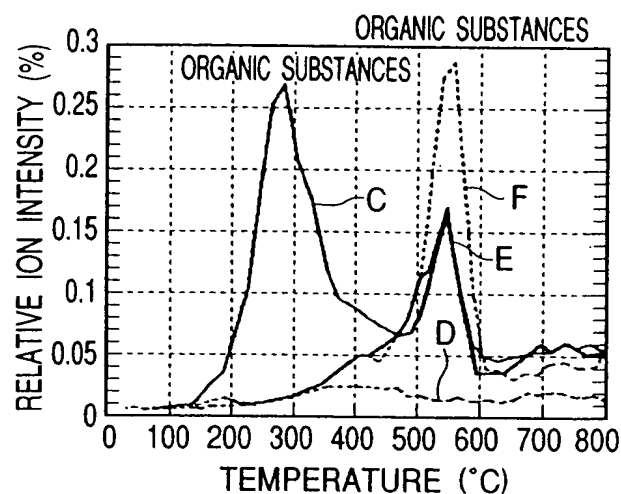
CONDITION	Si ₃ N _x
CMP	—
H ₂ pI	Si ₃ N _{1.08}
NH ₃ pI	Si ₃ N _{4.22}
N ₂ pI	Si ₃ N _{3.81}

FIG. 26(a)



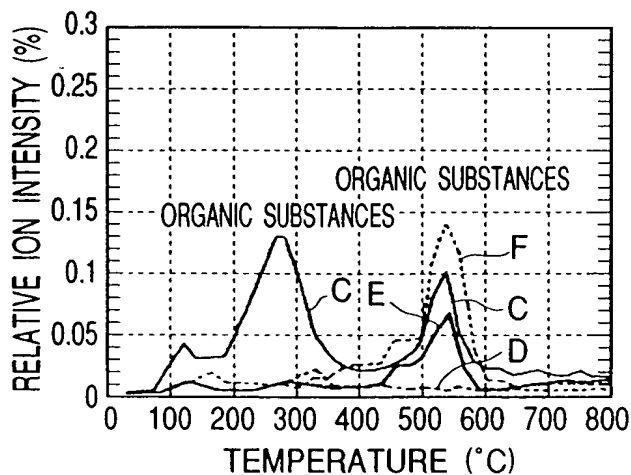
THERMAL DISSOCIATION OF HYDROGEN,
Ar-H $m/z=41$

FIG. 26(b)



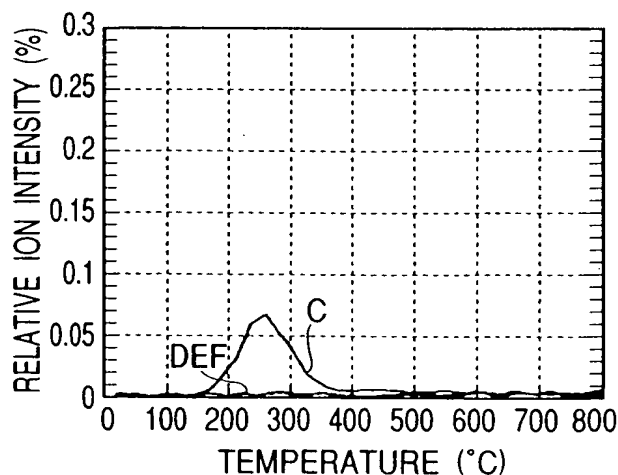
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
A(C_nH_{2n-1}) C₂H₃ $m/z=27$

FIG. 26(c)



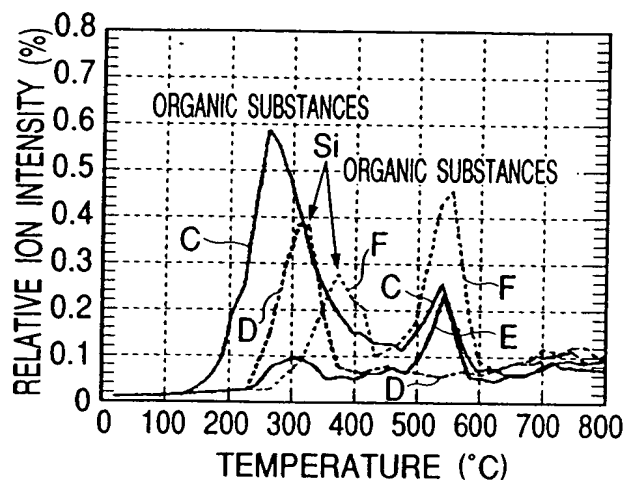
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
B(C_nH_{2n+1}) C₄H₉ $m/z=57$

FIG. 26(d)



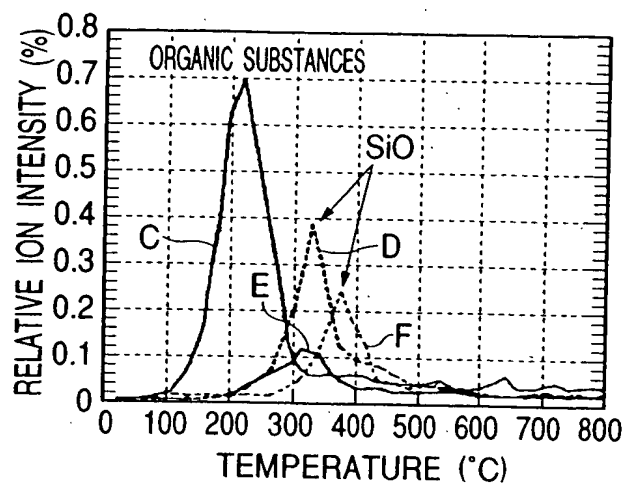
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
C(C_nH_{2n+10}) C₃H₇O $m/z=59$

FIG. 27(a)



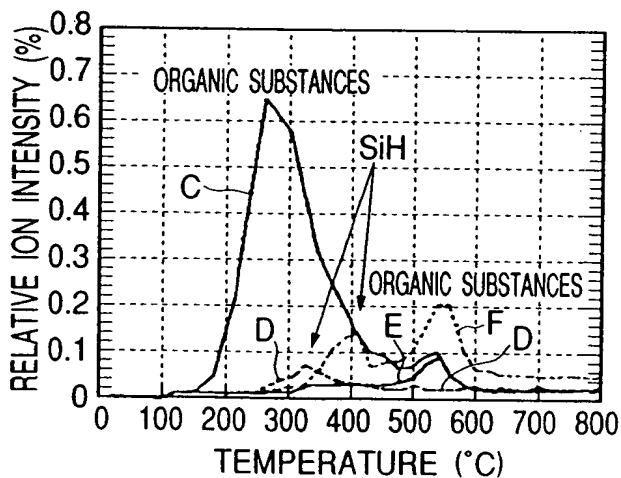
THERMAL DISSOCIATION OF Si
AND ORGANIC SUBSTANCES
Si, C_2H_4 $m/z=28$

FIG. 27(b)



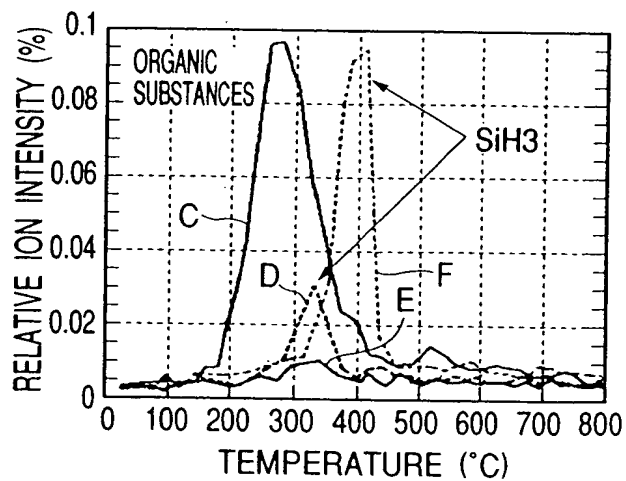
THERMAL DISSOCIATION OF SiO
AND ORGANIC SUBSTANCES
SiO, C_3H_6 $m/z=44$

FIG. 27(c)



THERMAL DISSOCIATION OF SiH
AND ORGANIC SUBSTANCES
SiH, C_2H_5 $m/z=29$

FIG. 27(d)



THERMAL DISSOCIATION OF SiH3
AND ORGANIC SUBSTANCES
SiH3 $m/z=31$

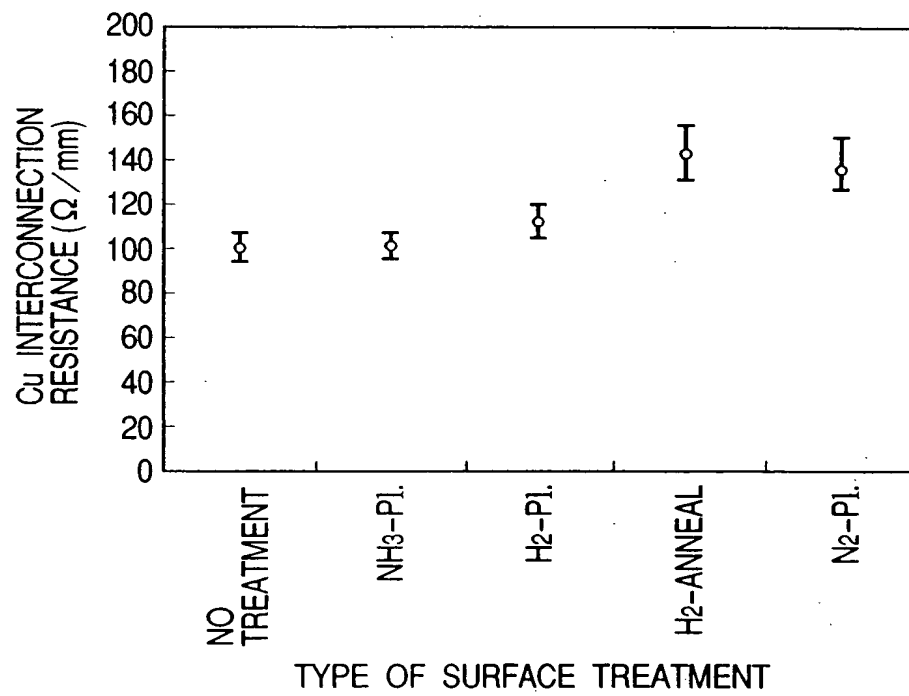
FIG. 28

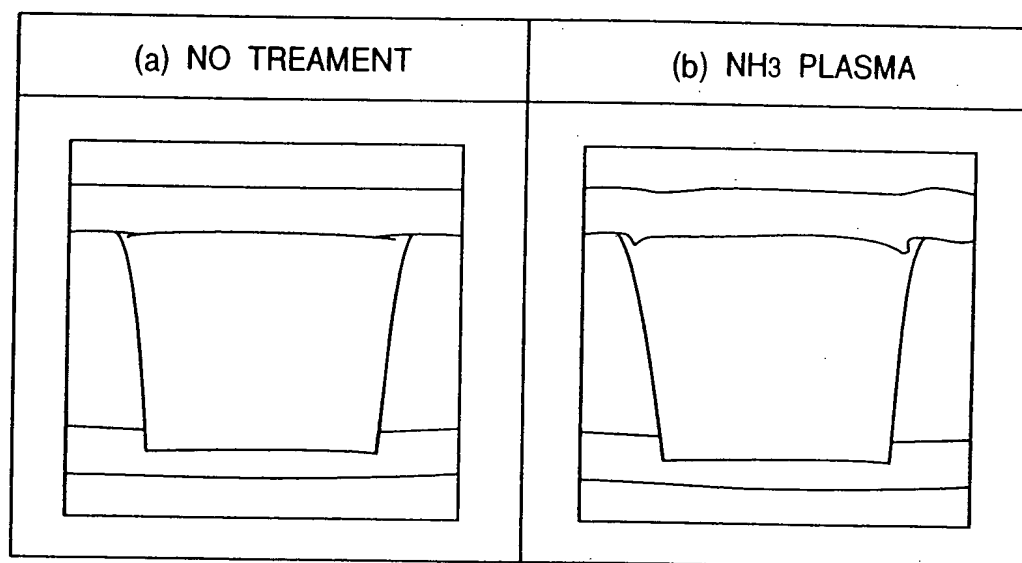
FIG. 29

FIG. 30

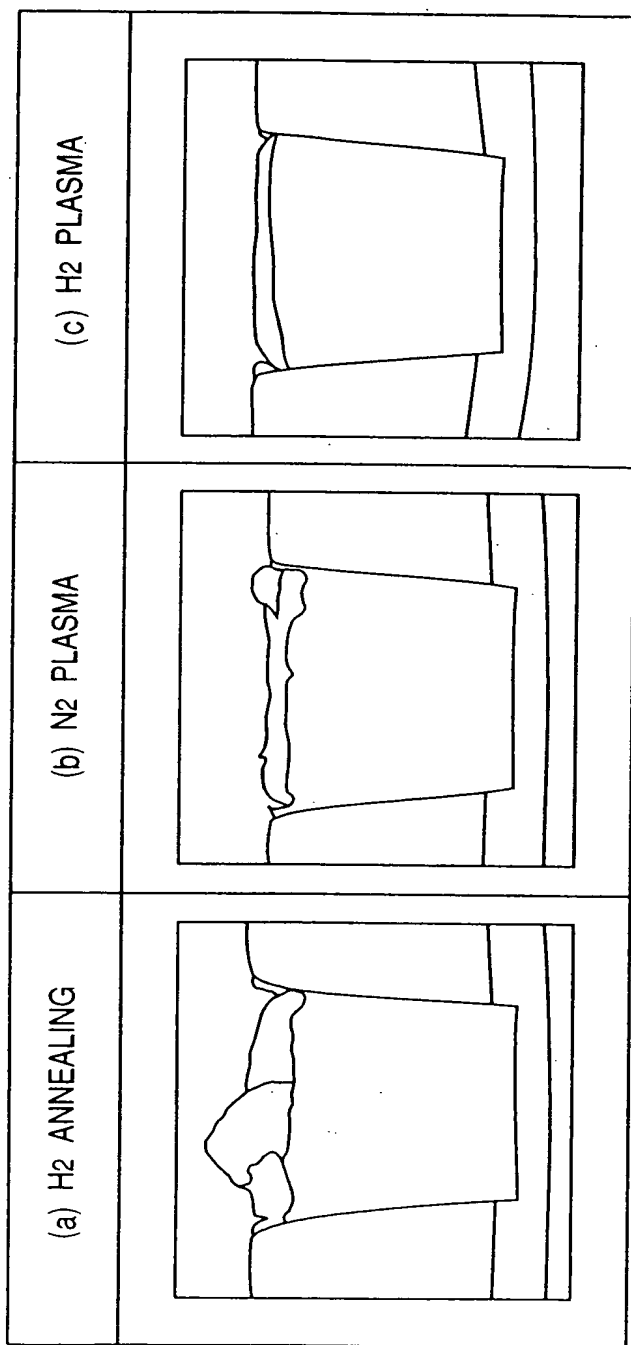


FIG. 31(b)

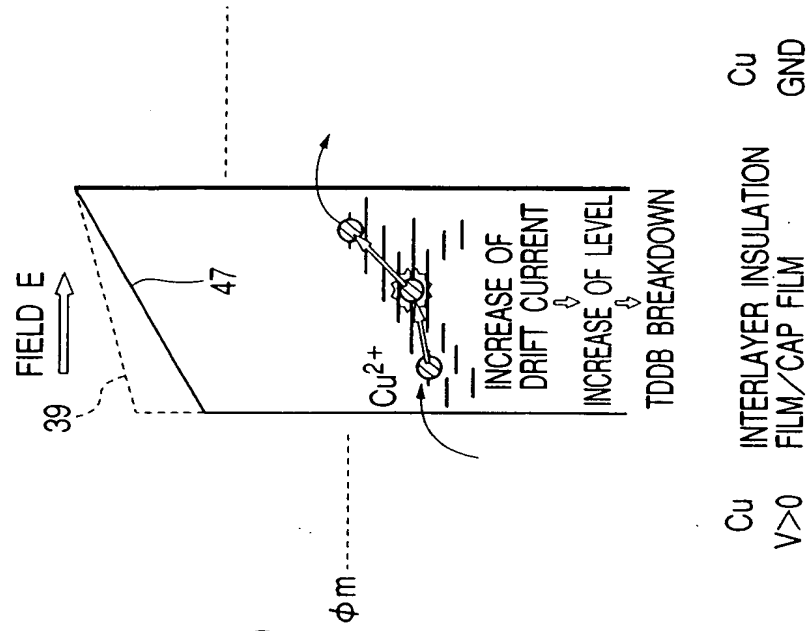


FIG. 31(a)

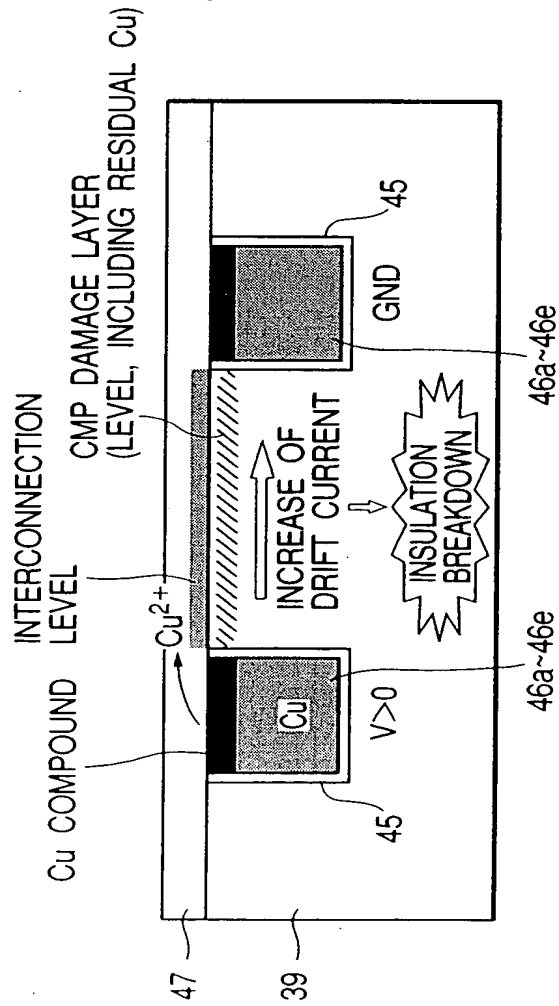


FIG. 32(a)

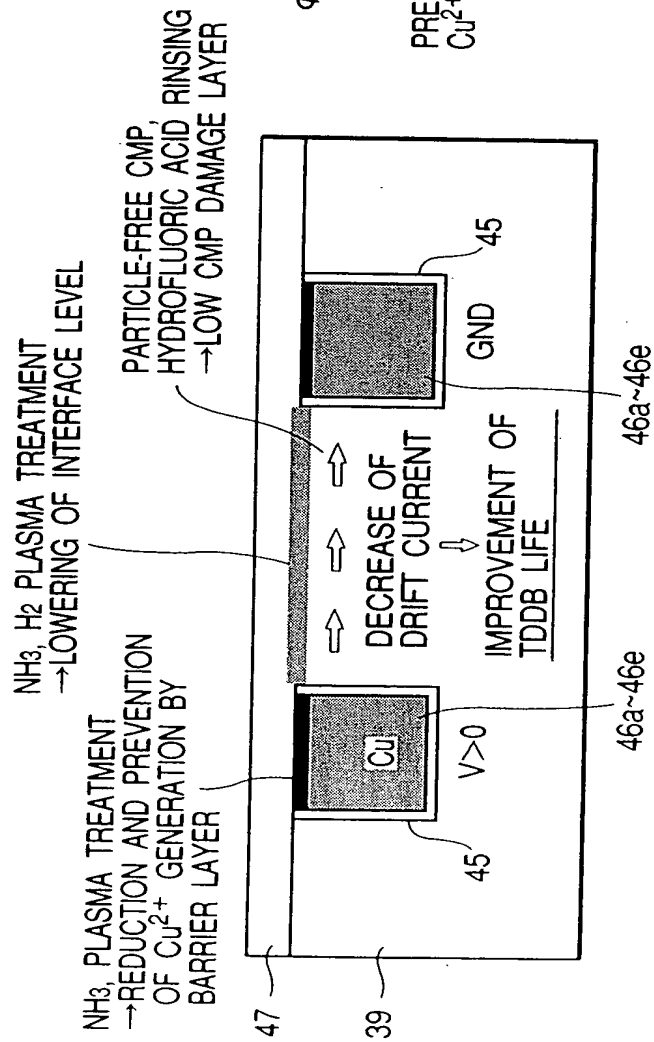


FIG. 32(b)

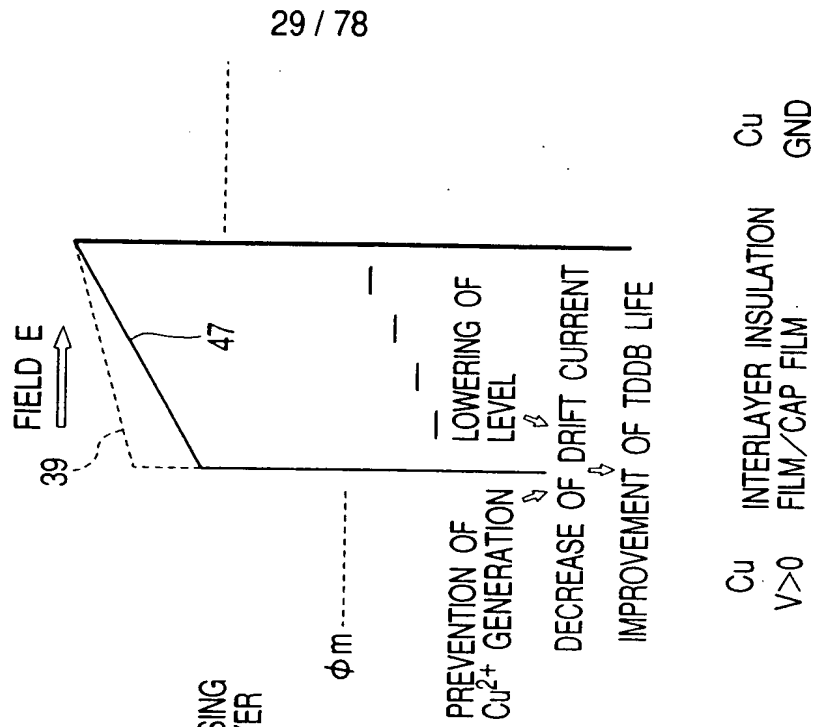


FIG. 33

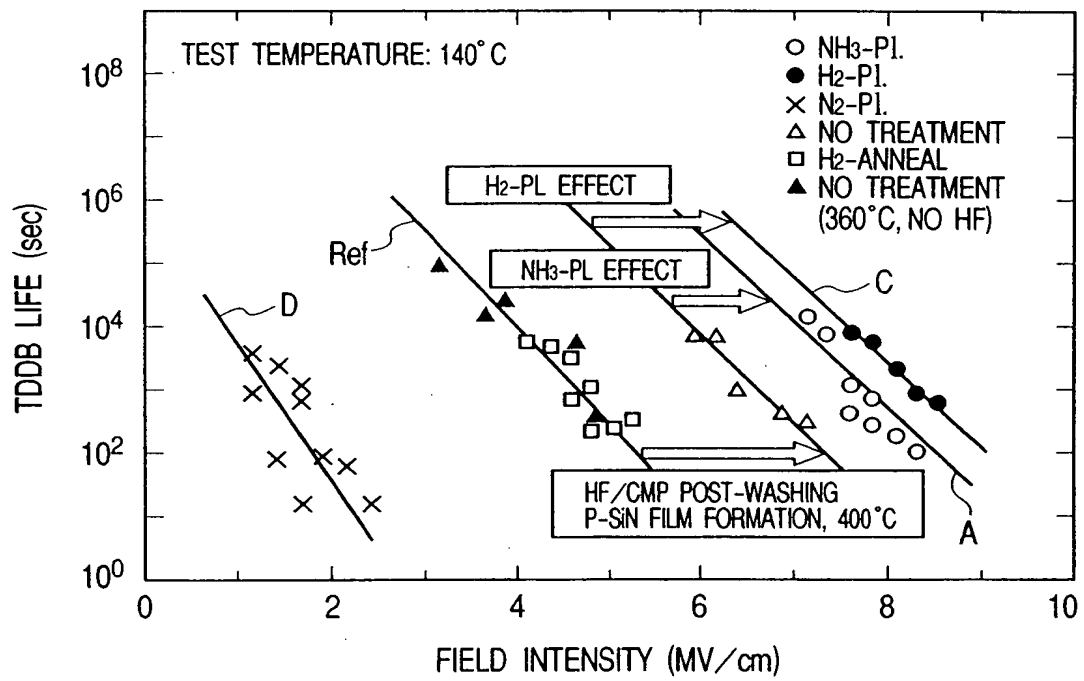


FIG. 34

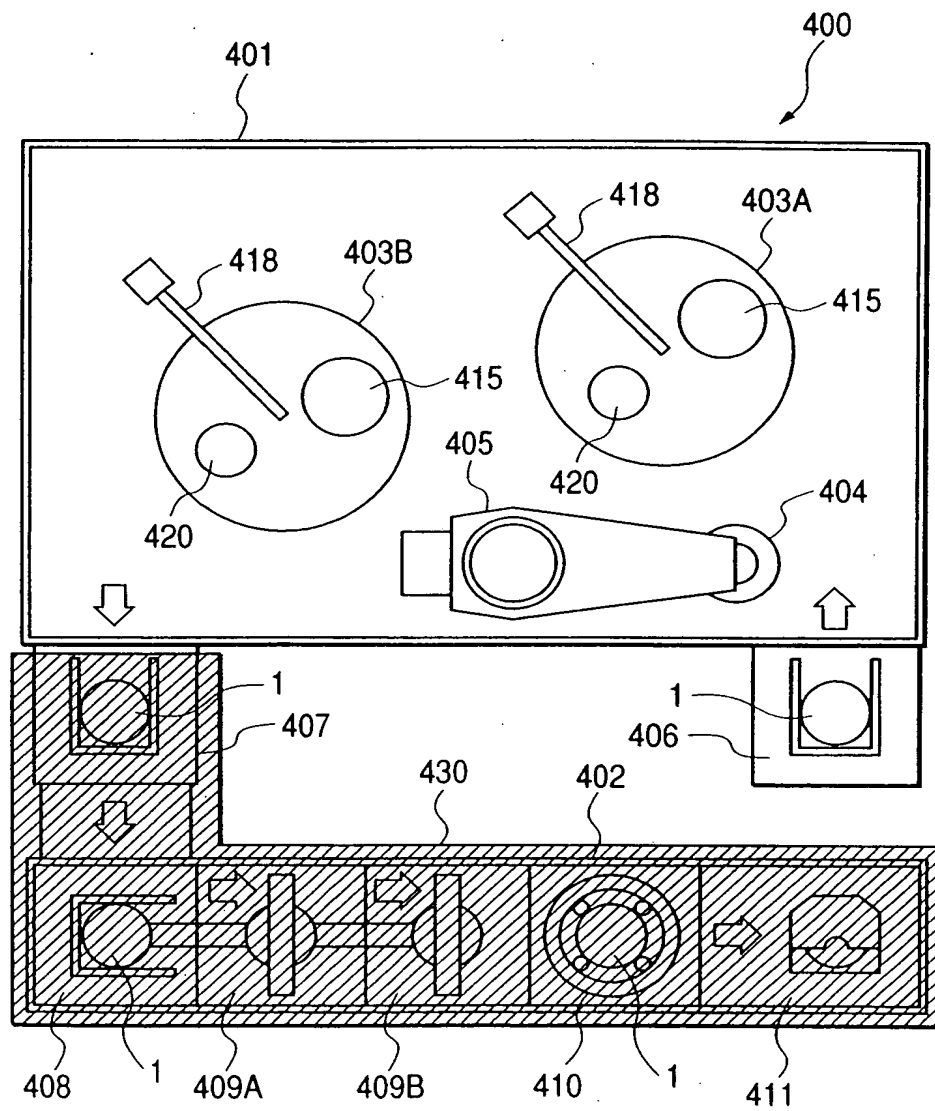


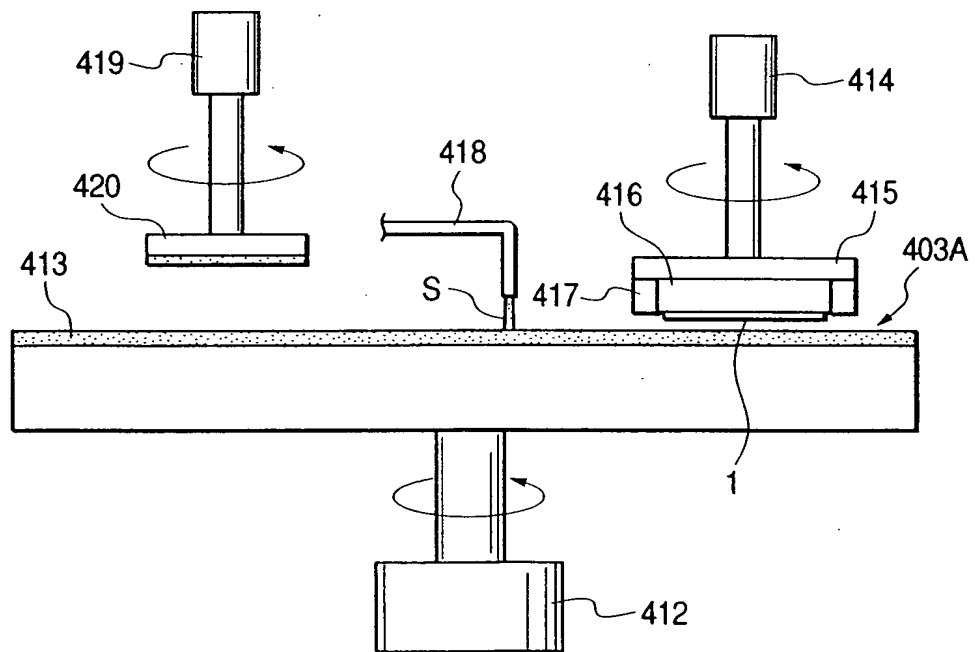
FIG. 35

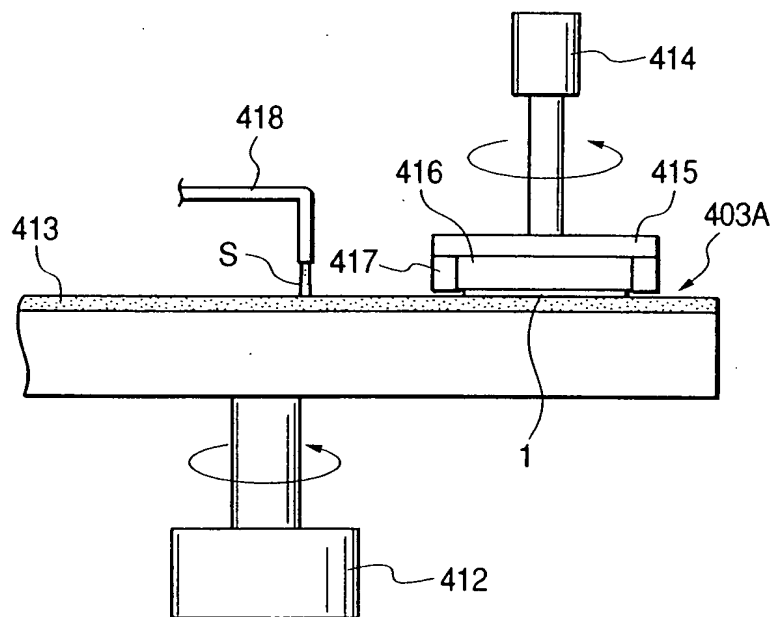
FIG. 36

FIG. 37

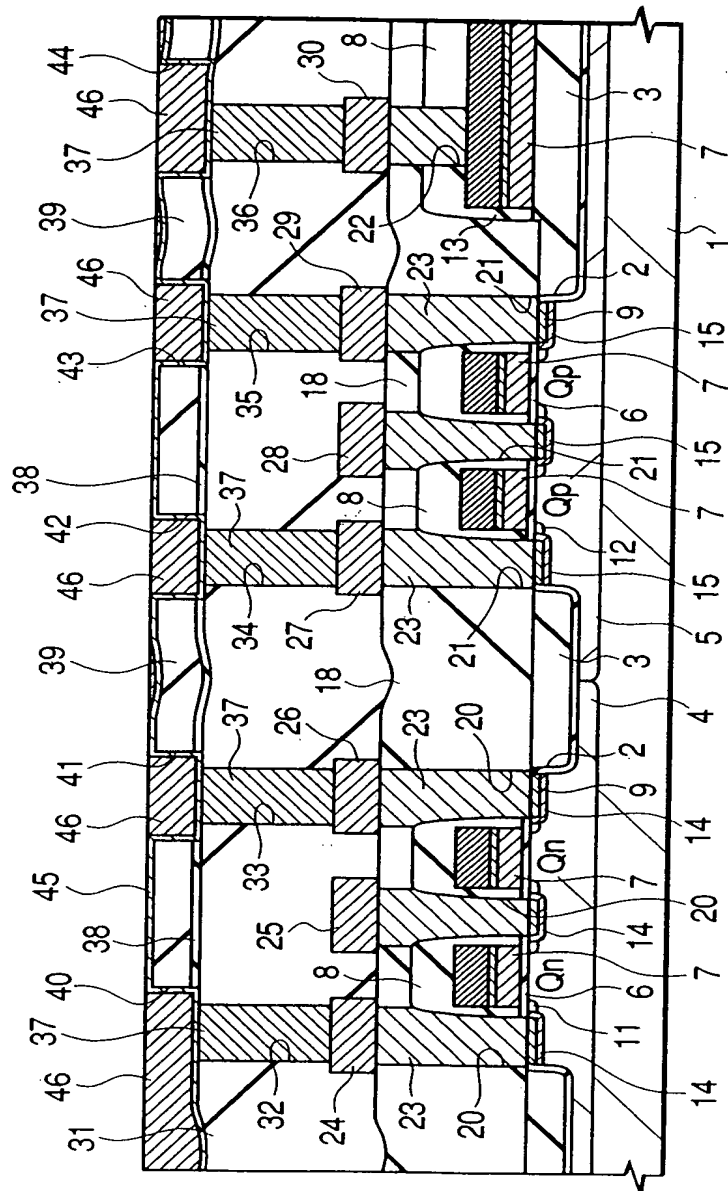


FIG. 38(a)

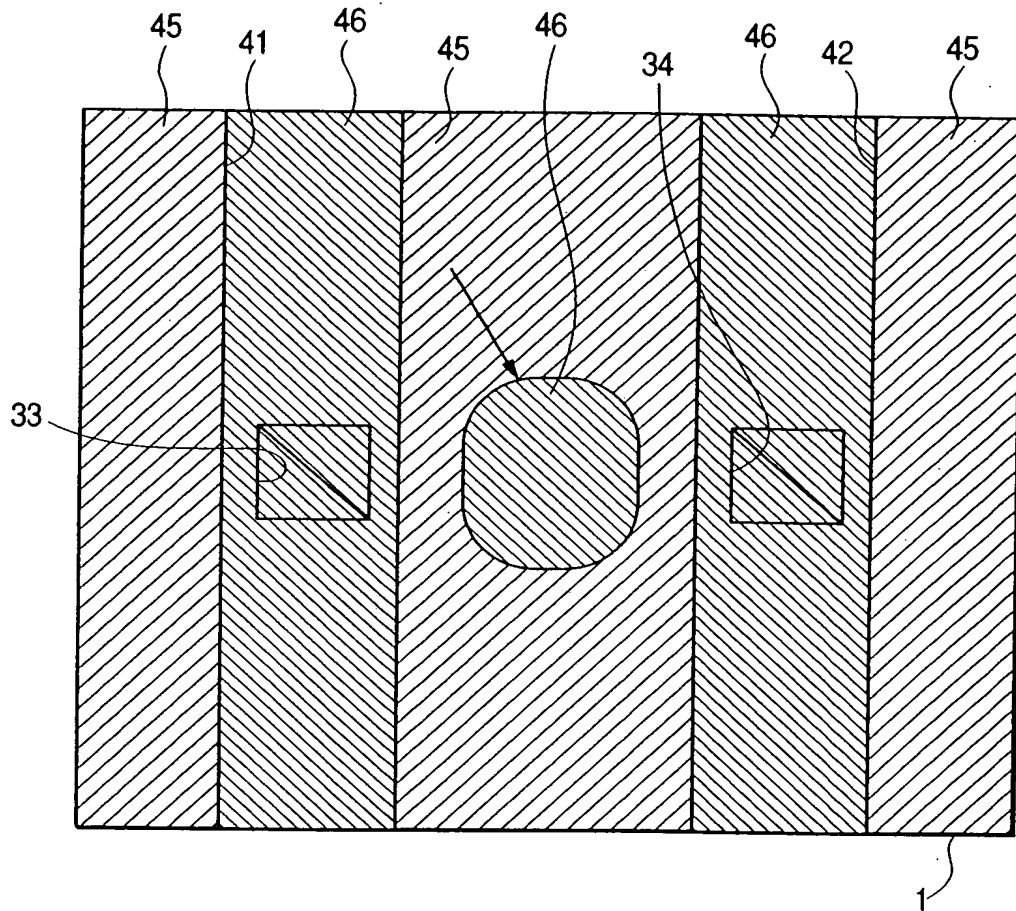


FIG. 38(b)

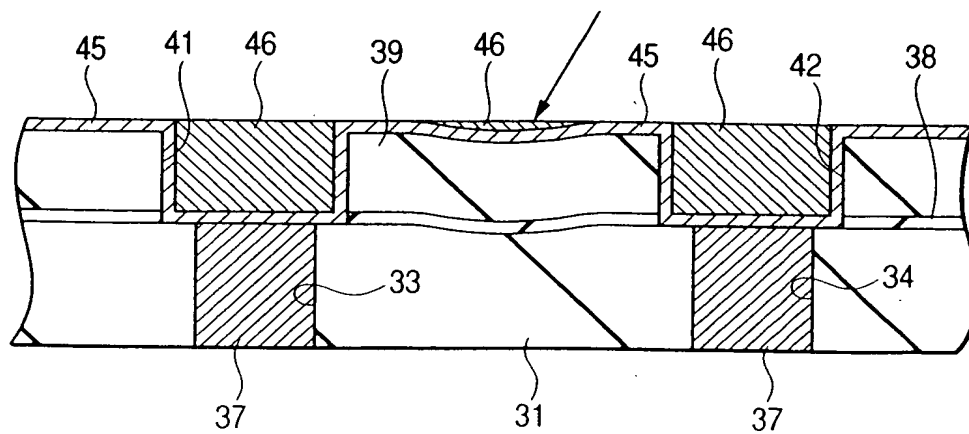


FIG. 39

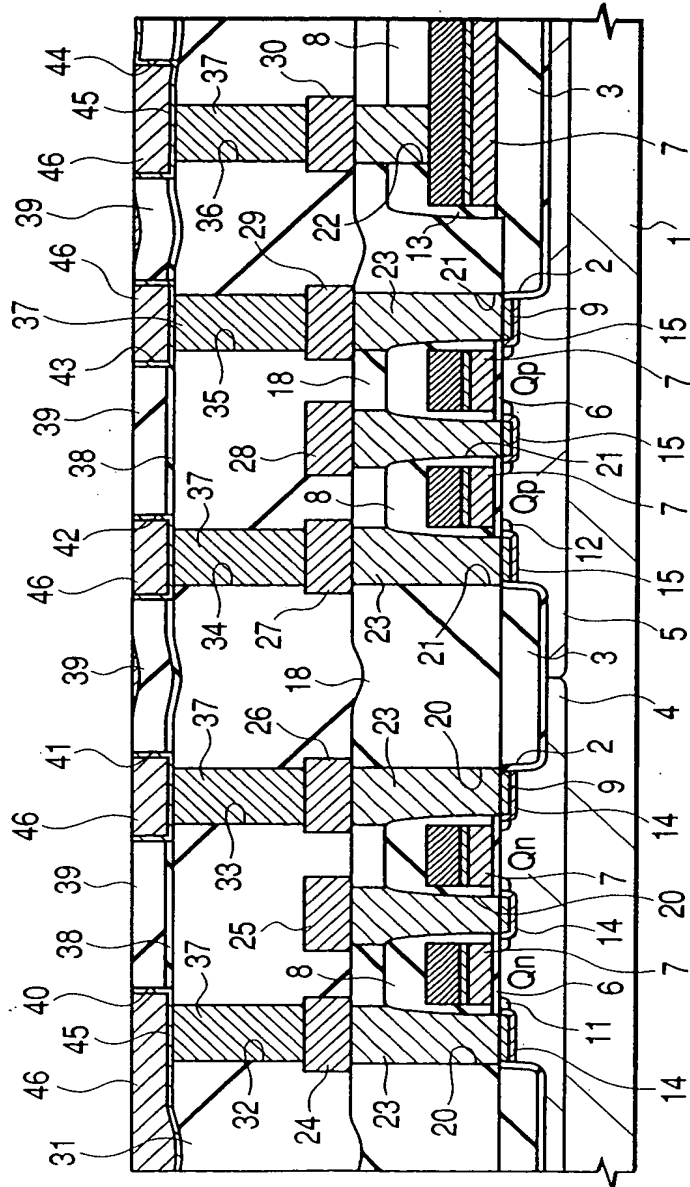


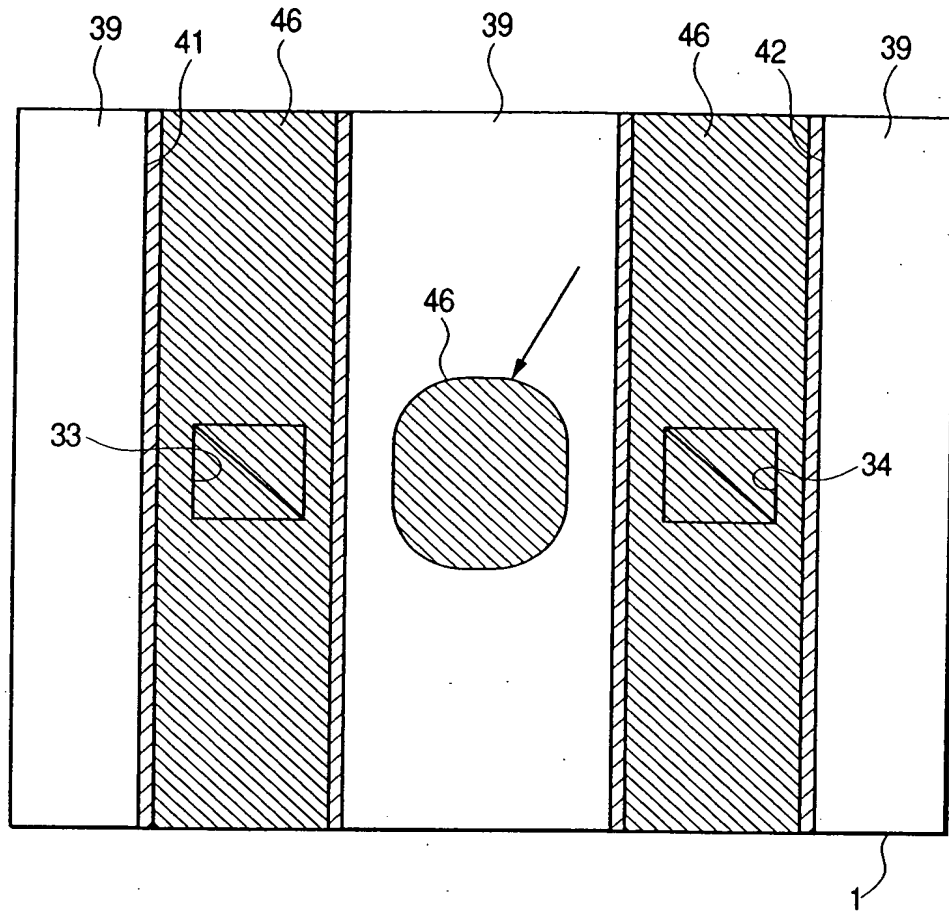
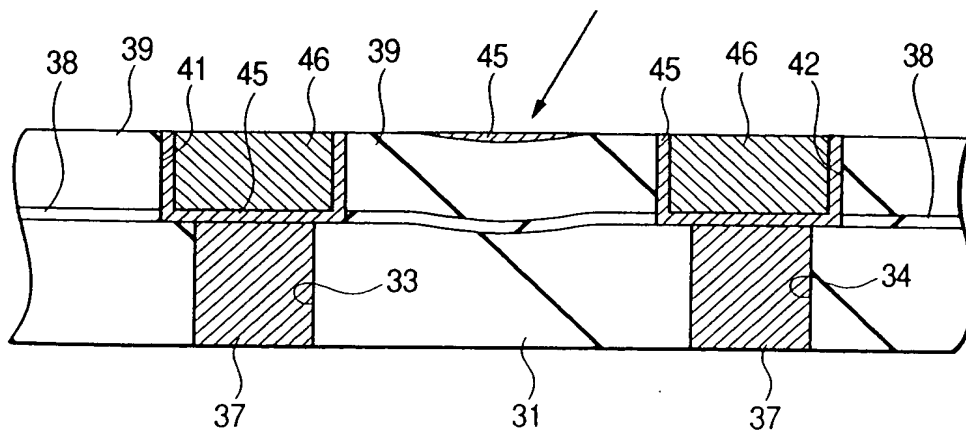
FIG. 40(a)*FIG. 40(b)*

FIG. 41

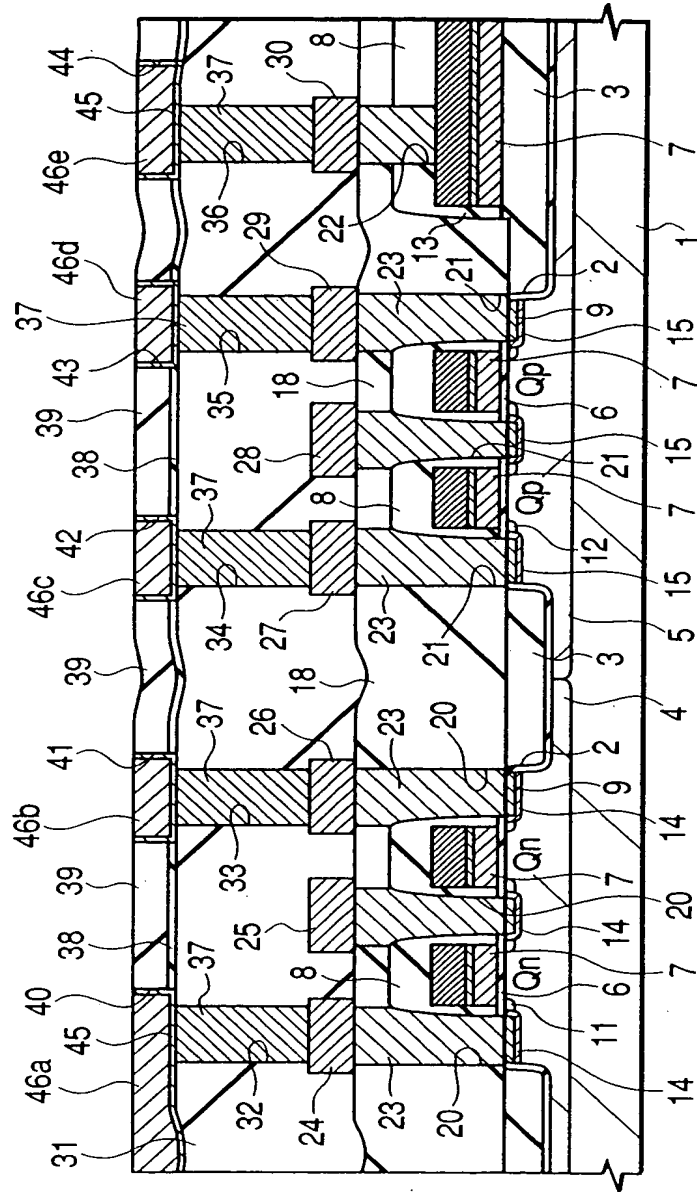


FIG. 42(a)

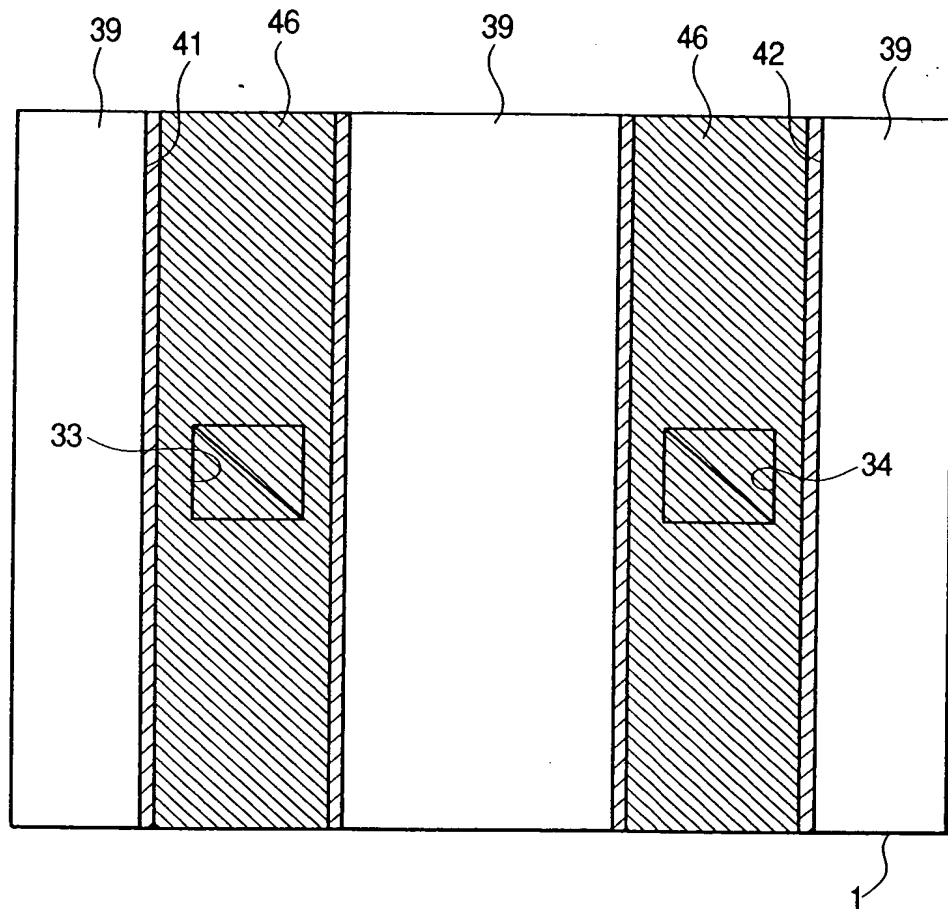


FIG. 42(b)

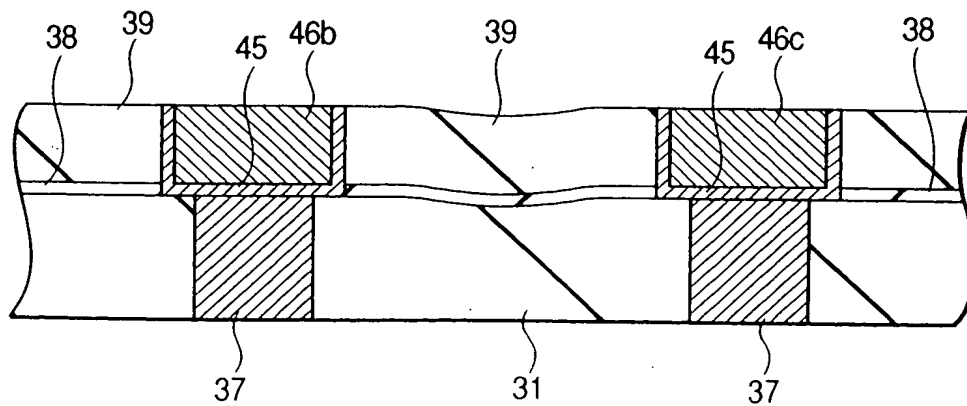


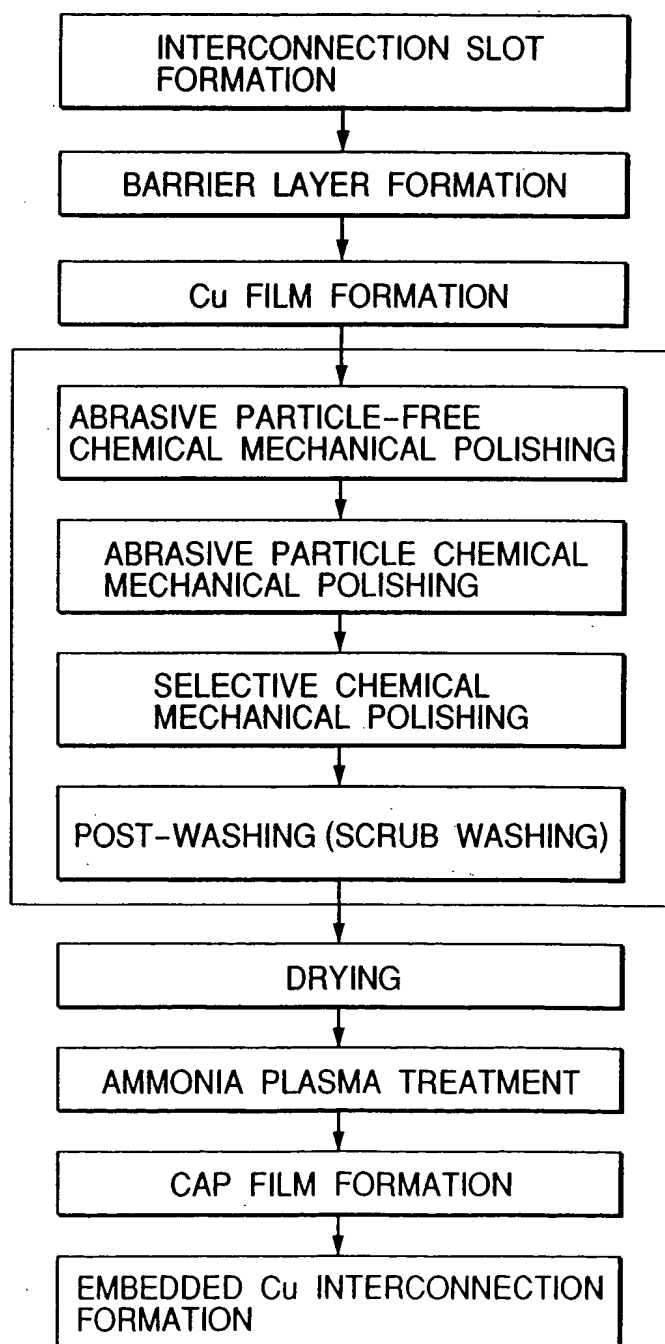
FIG. 43

FIG. 44

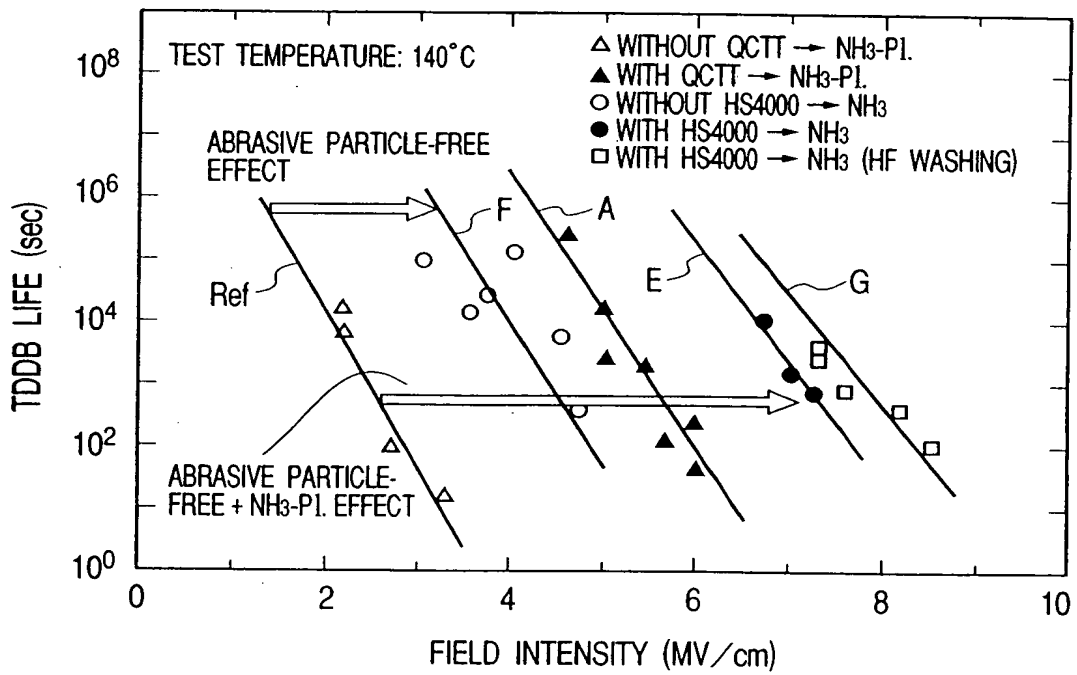


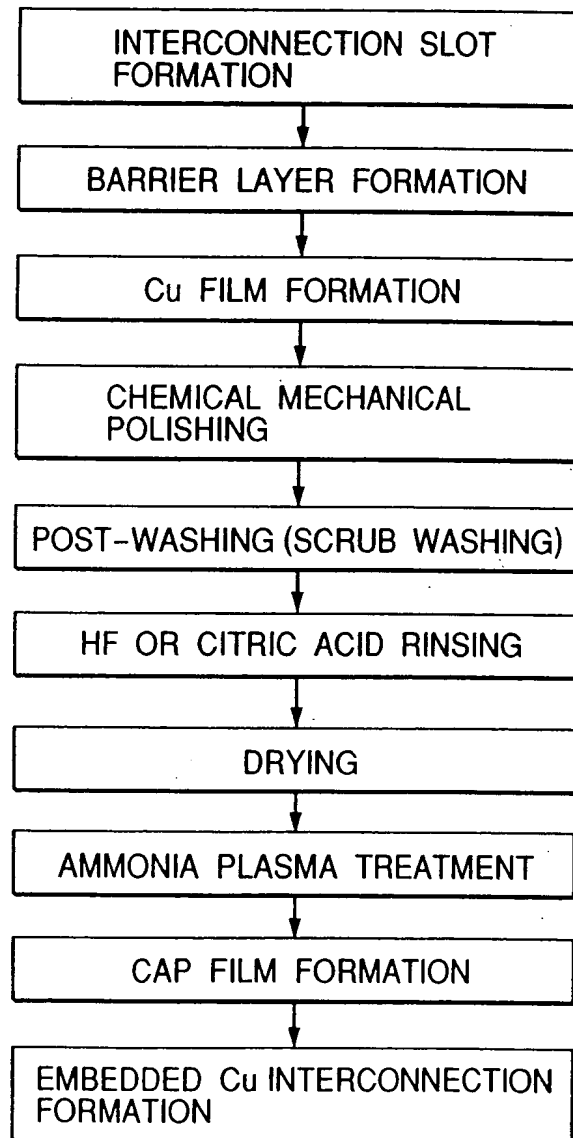
FIG. 45

FIG. 46

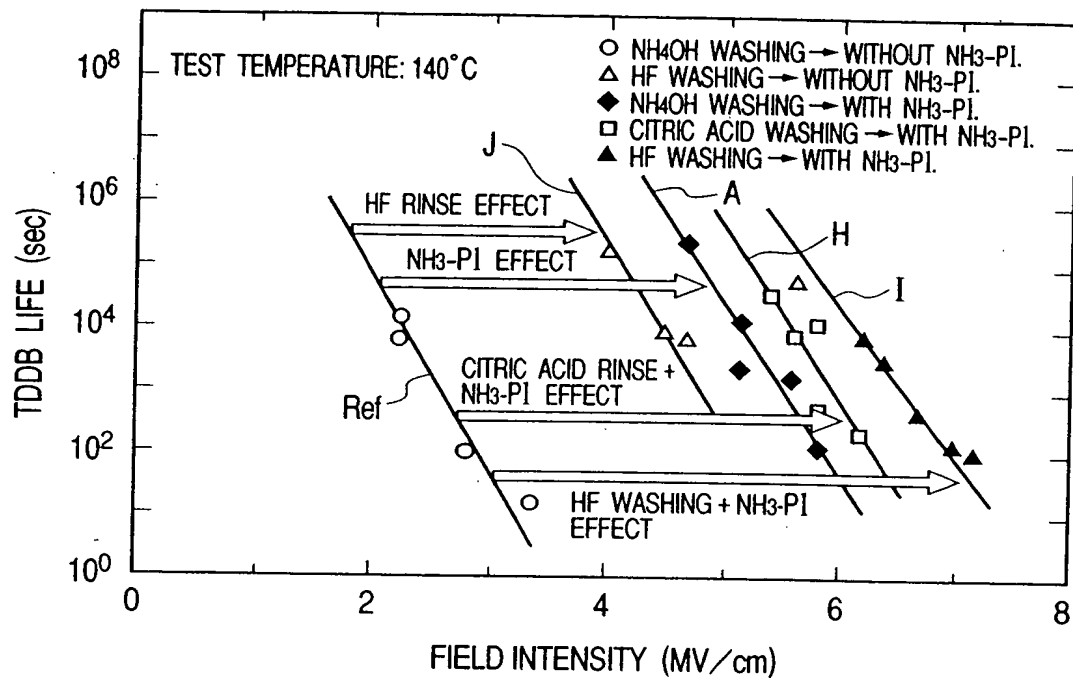


FIG. 47

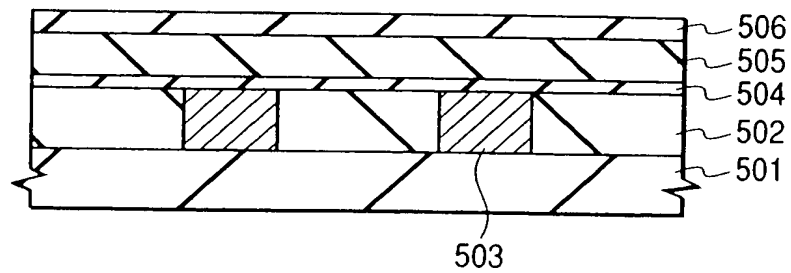


FIG. 48(a)

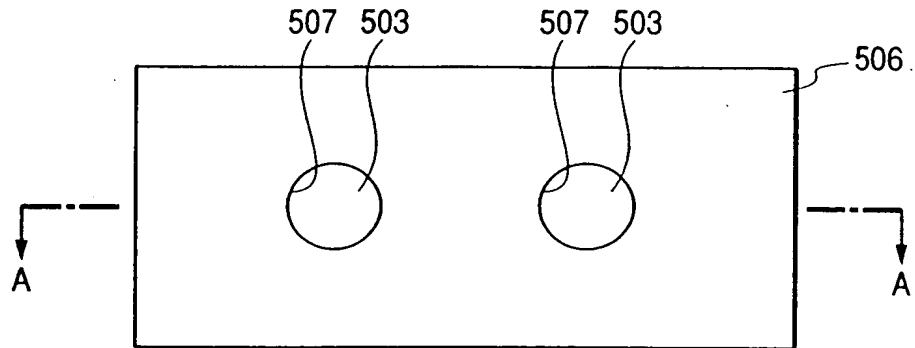


FIG. 48(b)

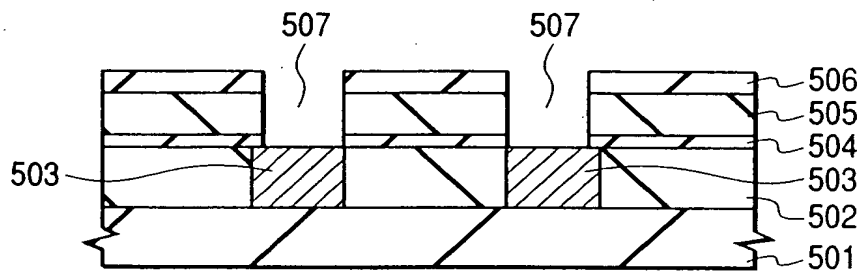


FIG. 49

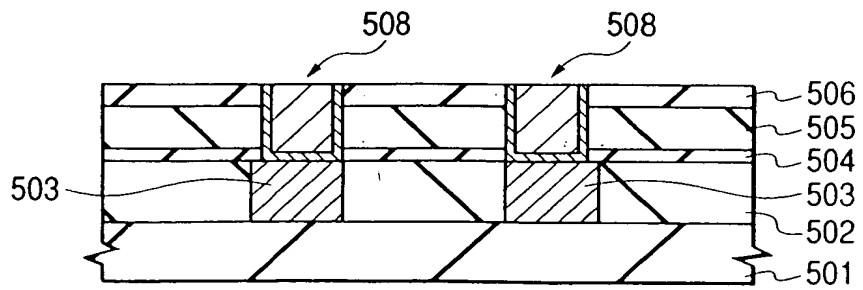


FIG. 50

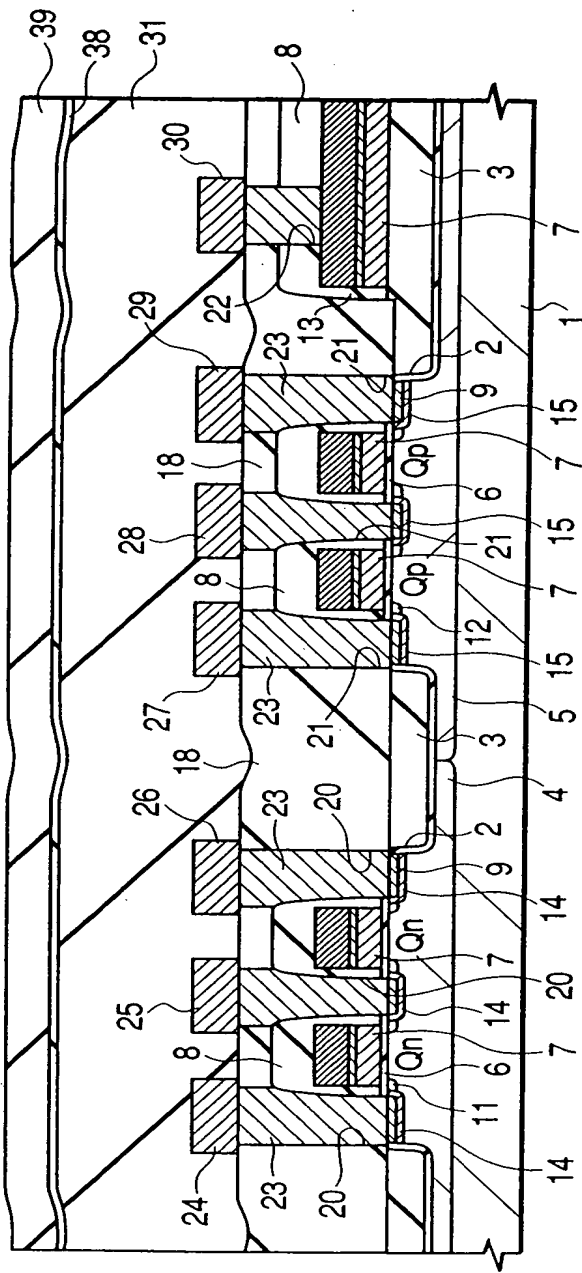
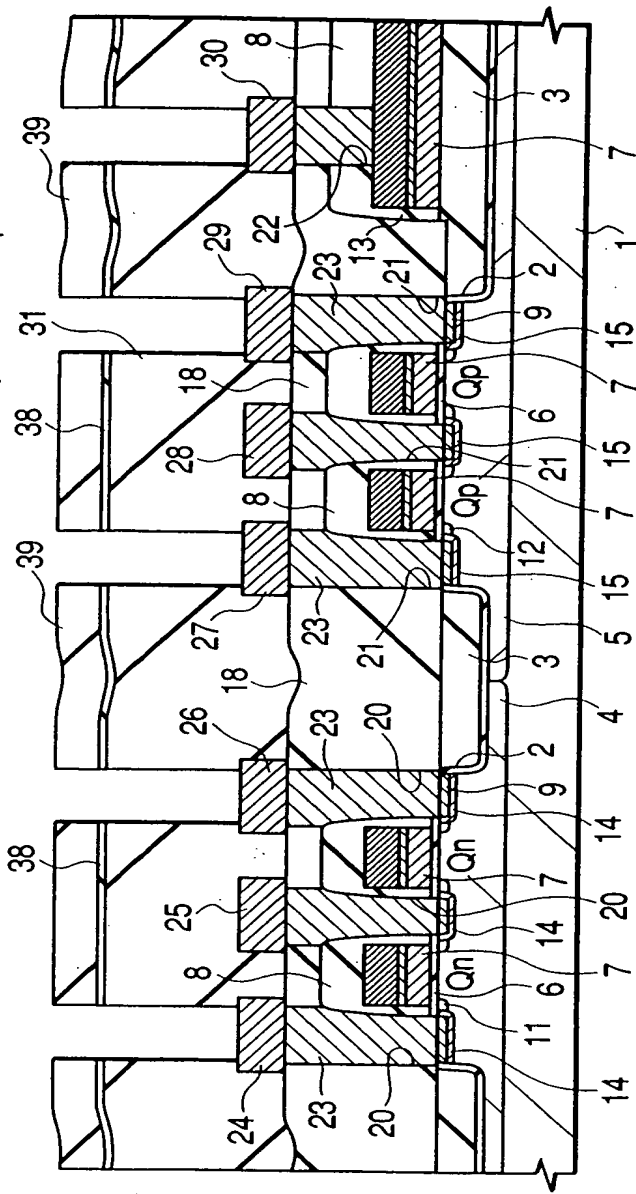


FIG. 51



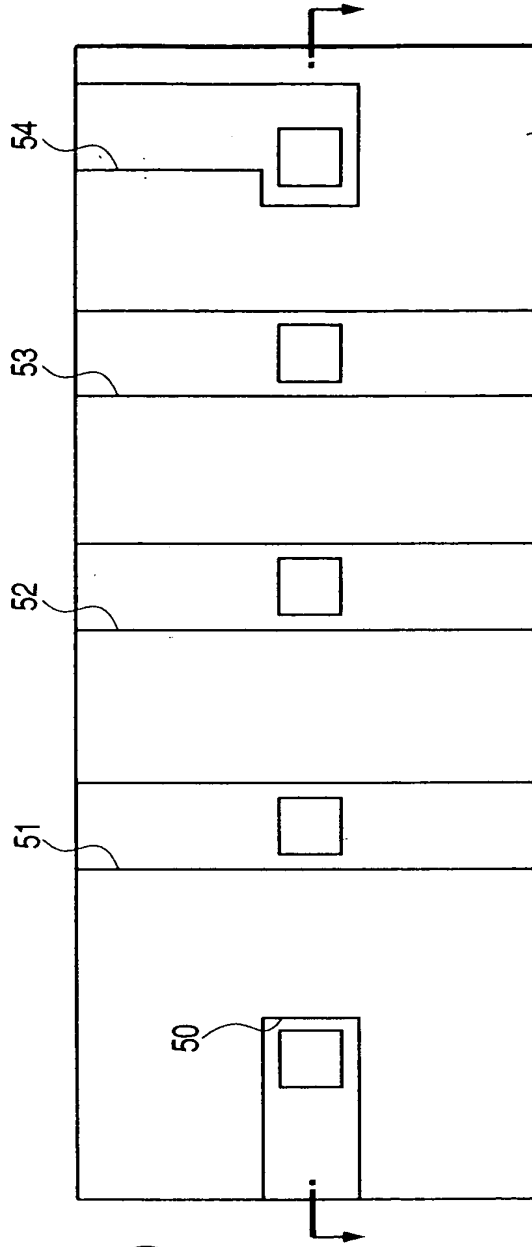


FIG. 52(a)

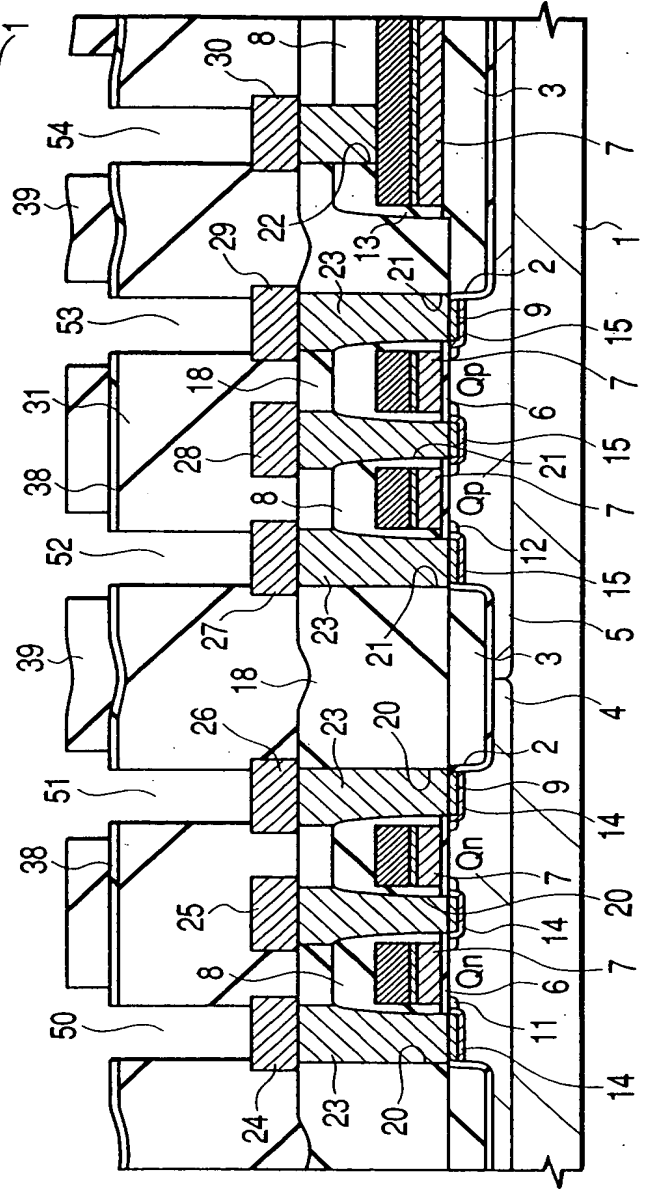


FIG. 52(b)

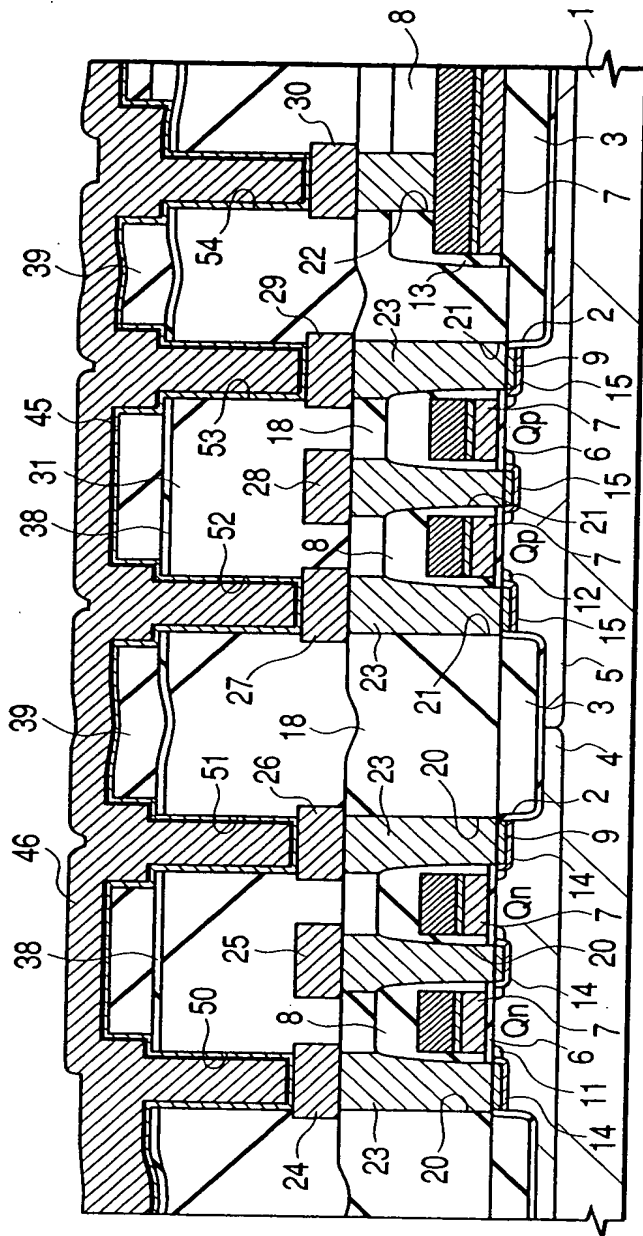


FIG. 53

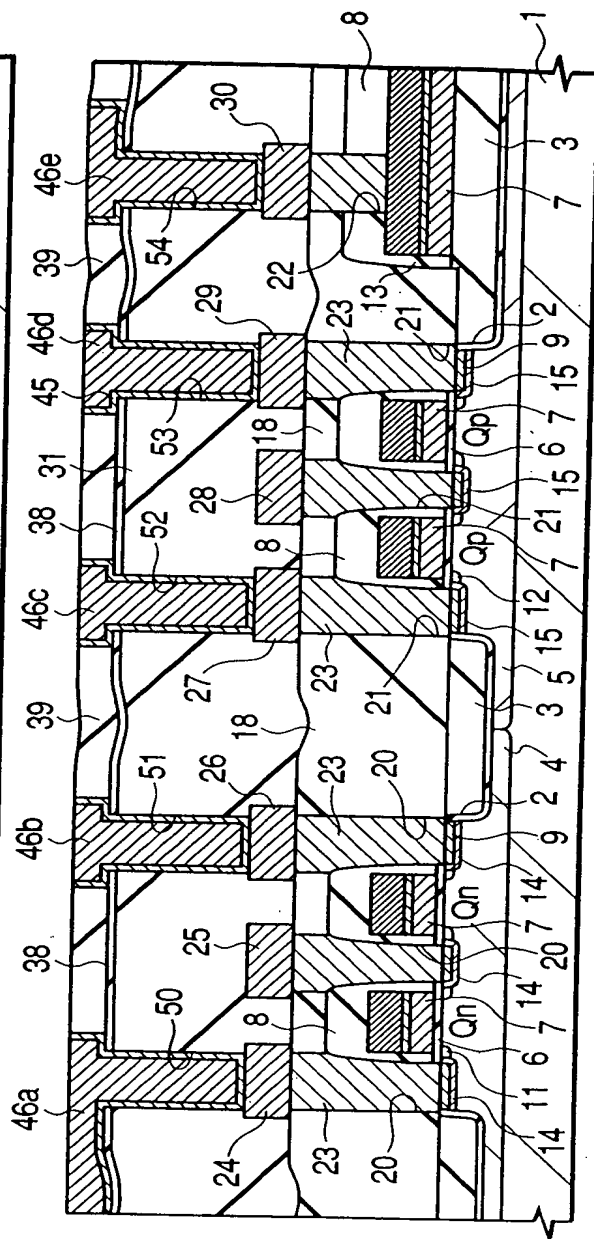


FIG. 54

FIG. 55

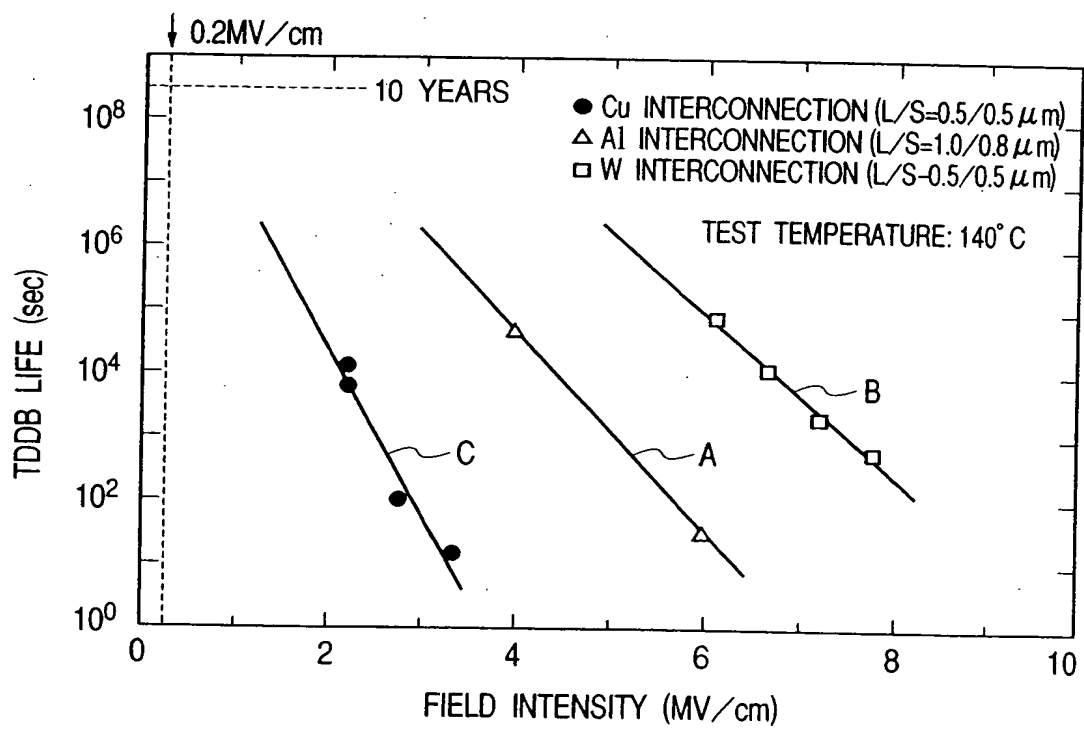


FIG. 56

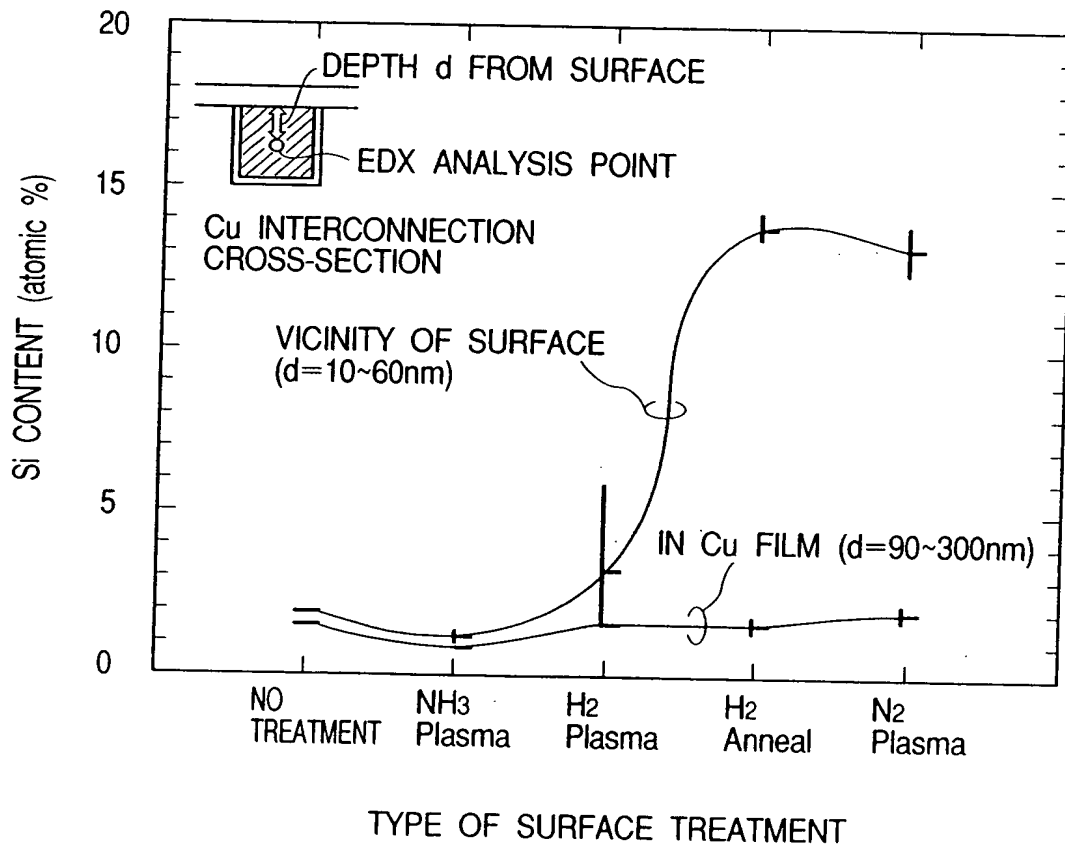
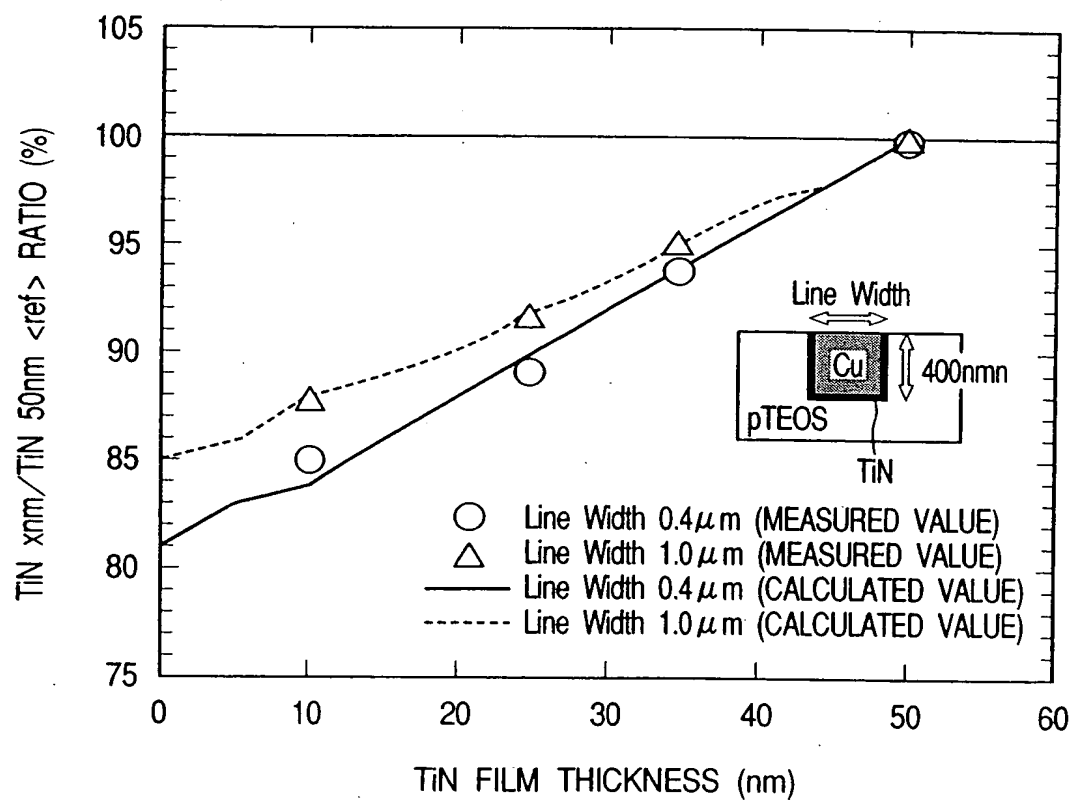


FIG. 57



*TiN FILM THICKNESS=FILM THICKNESS AT BASE OF SLOT

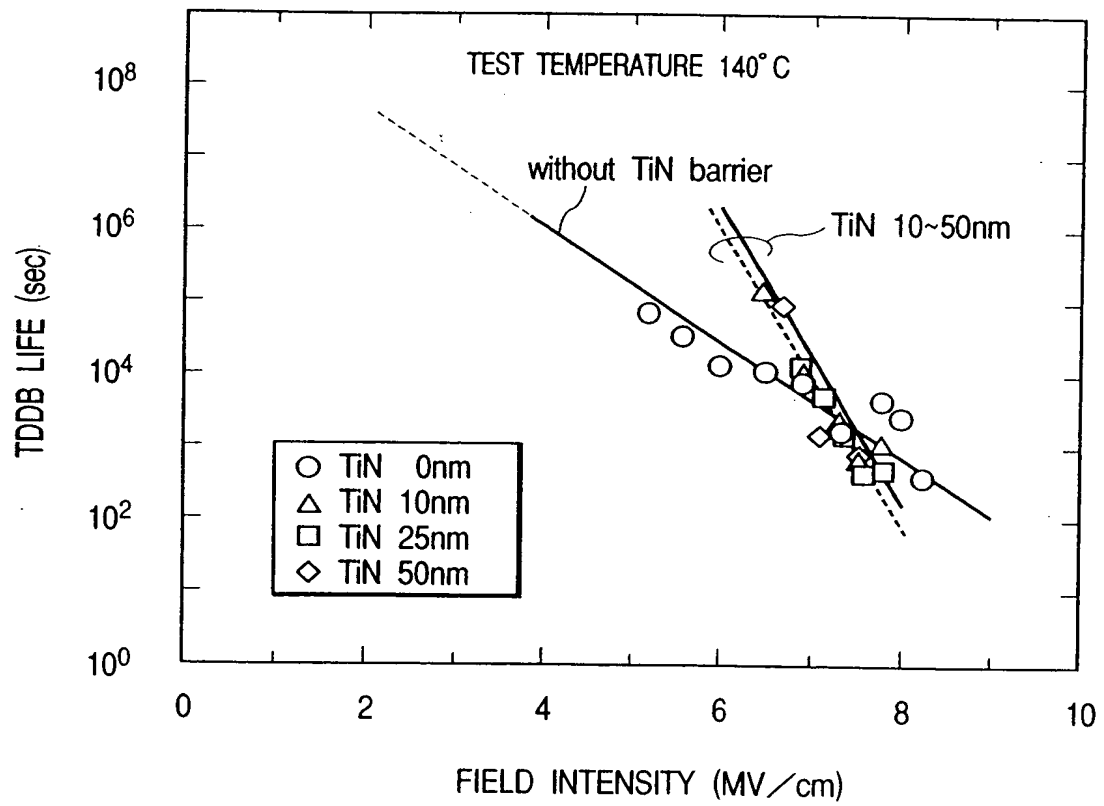
FIG. 58

FIG. 59

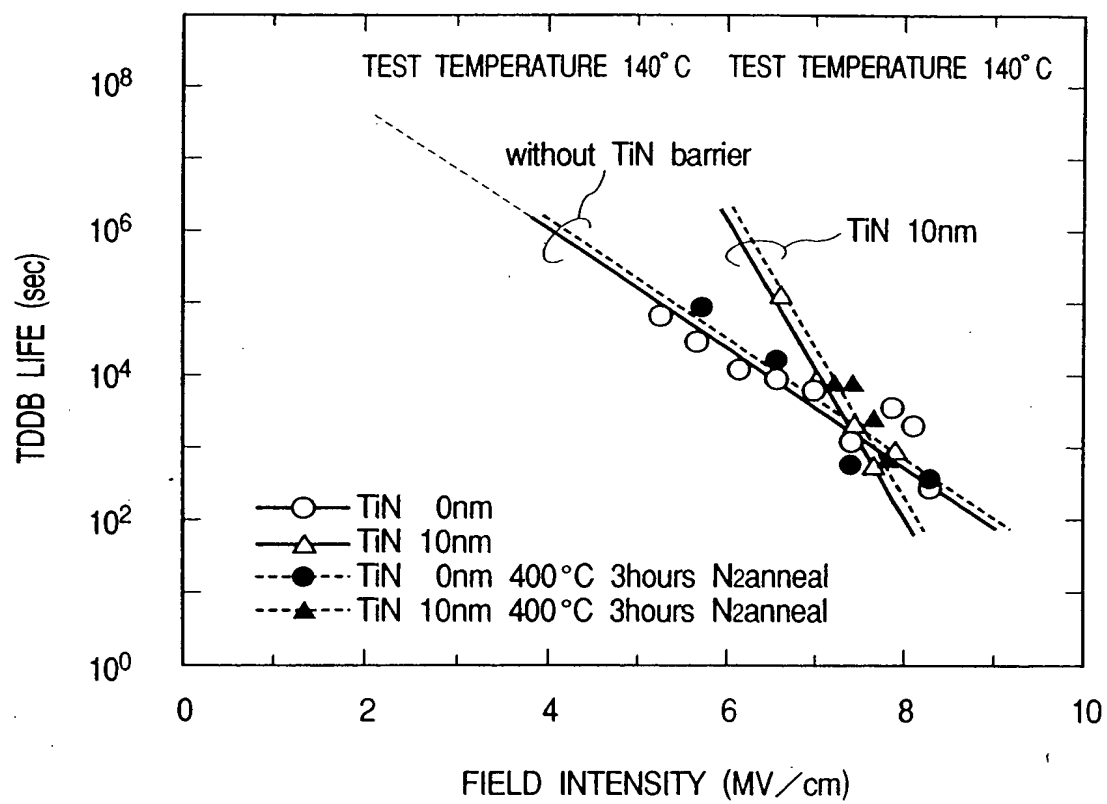


FIG. 60(a)

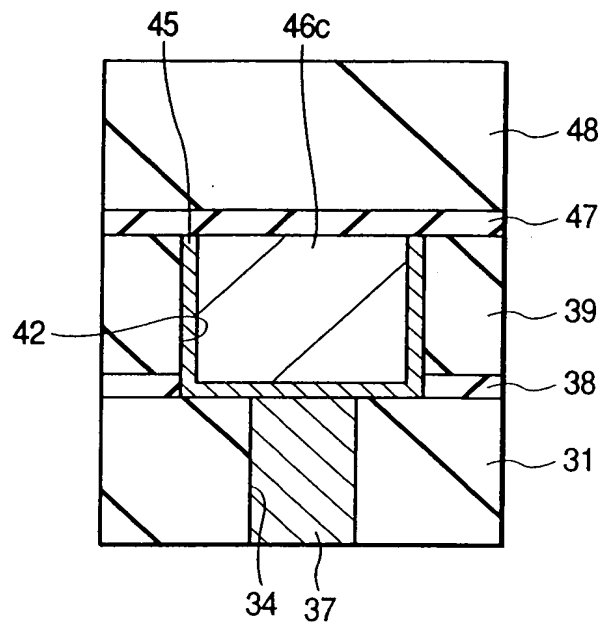


FIG. 60(b)

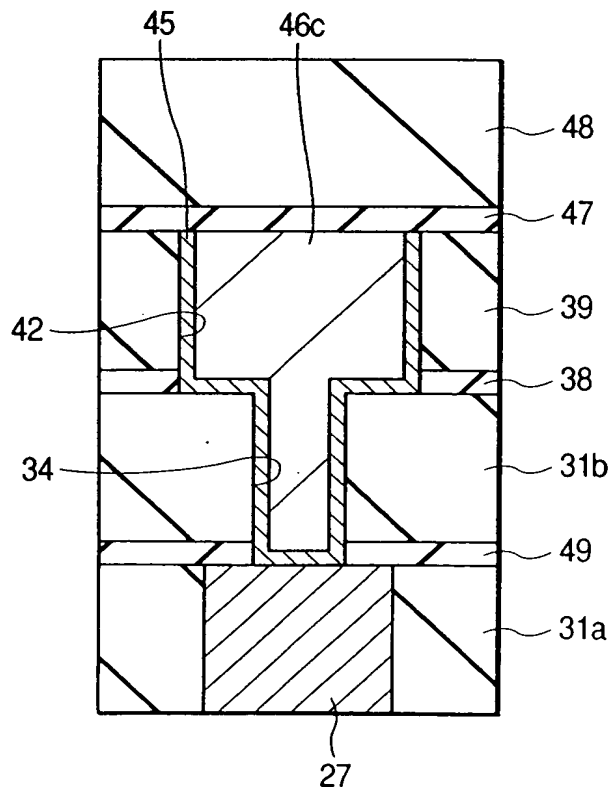


FIG. 61(a)

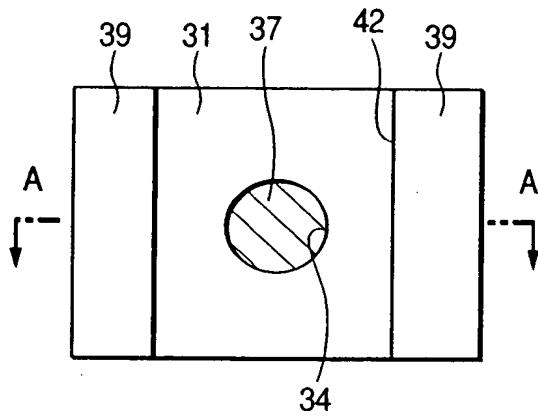


FIG. 61(b)

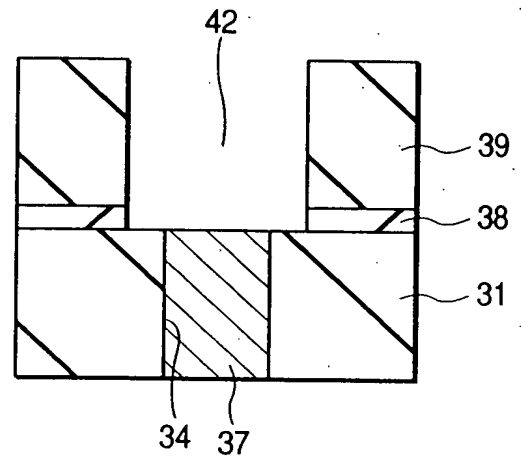


FIG. 62(a)

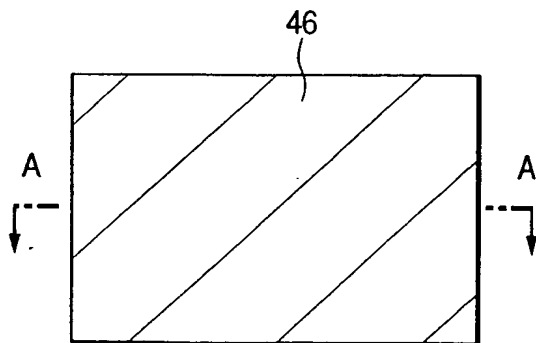


FIG. 62(b)

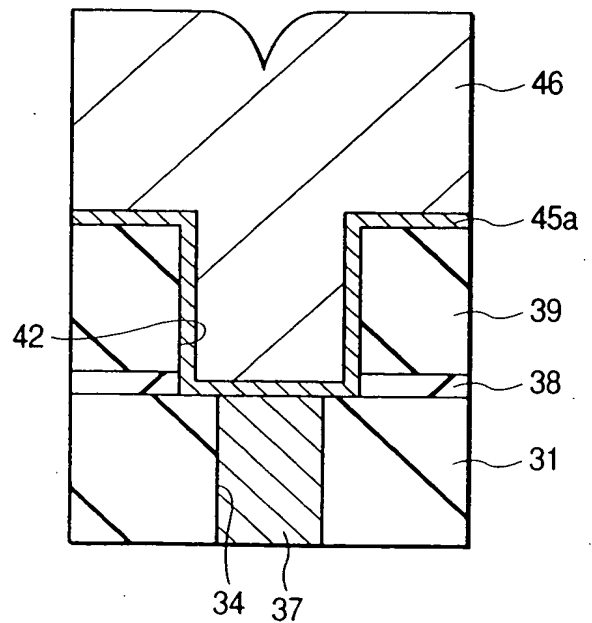


FIG. 63(a)

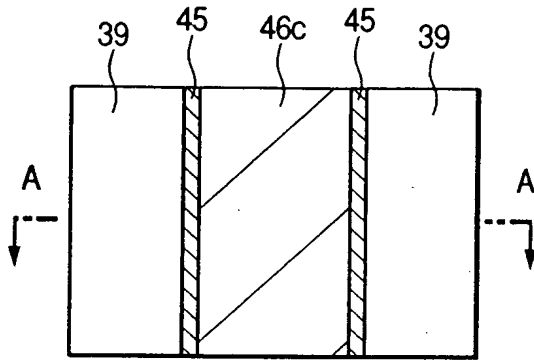


FIG. 63(b)

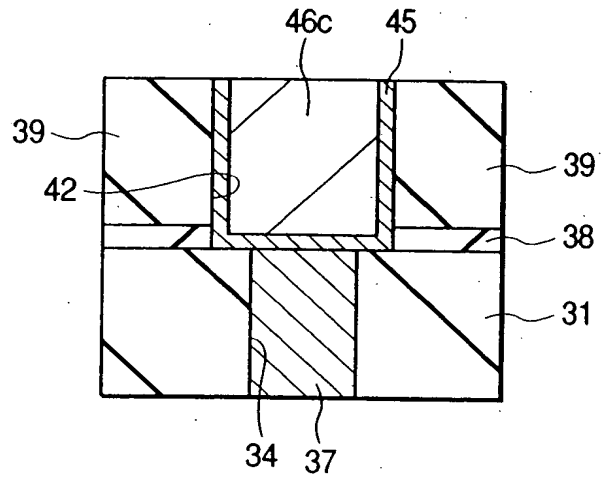


FIG. 64(a)

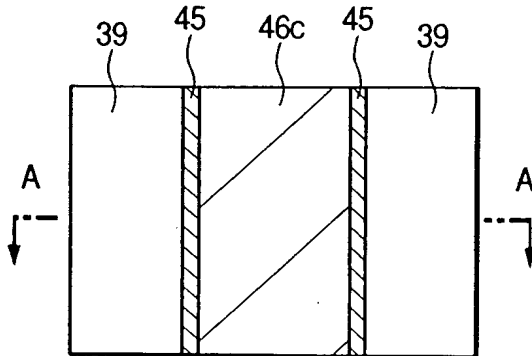


FIG. 64(b)

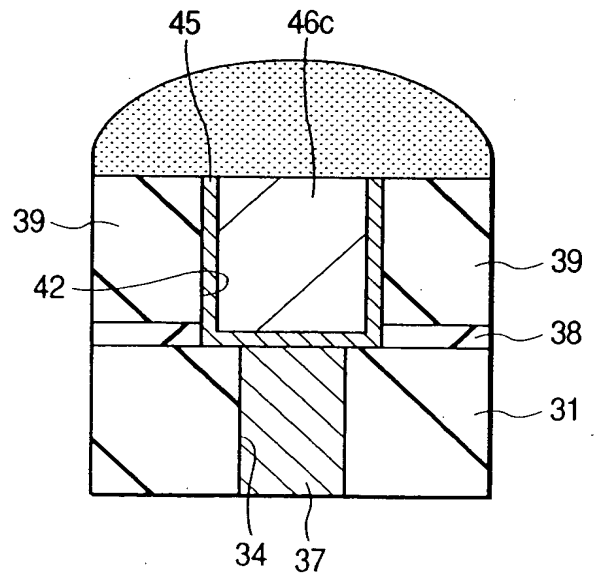


FIG. 65(a)

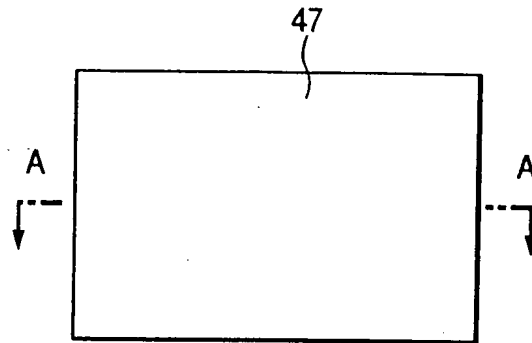


FIG. 65(b)

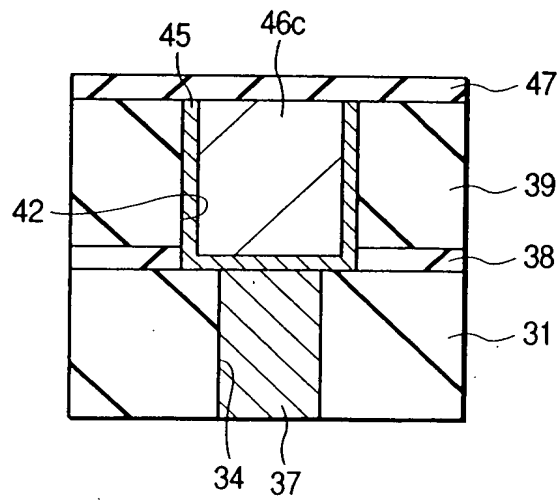


FIG. 66(a)

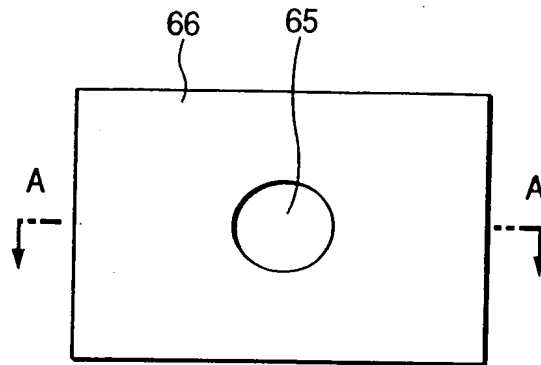


FIG. 66(b)

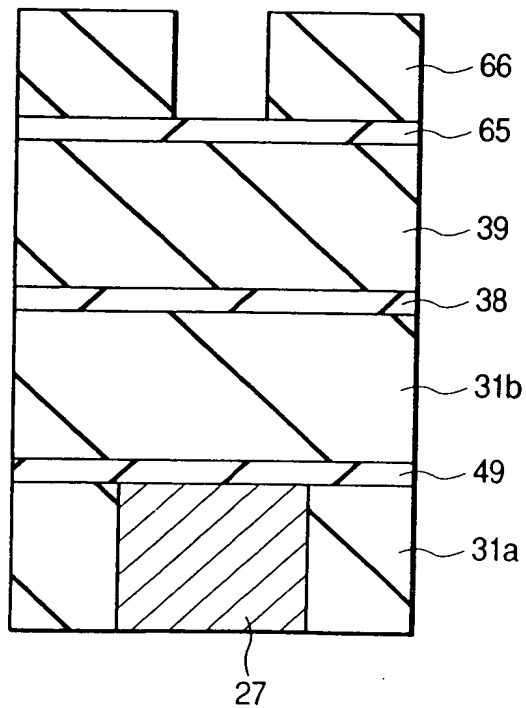


FIG. 67(a)

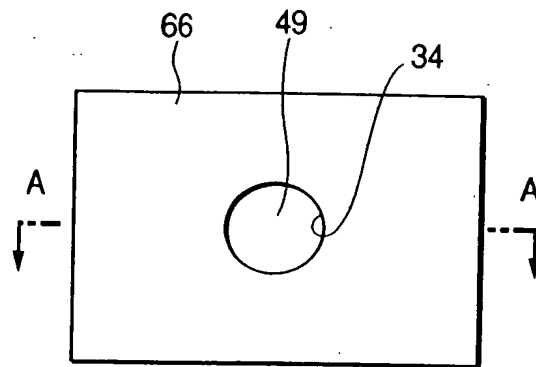


FIG. 67(b)

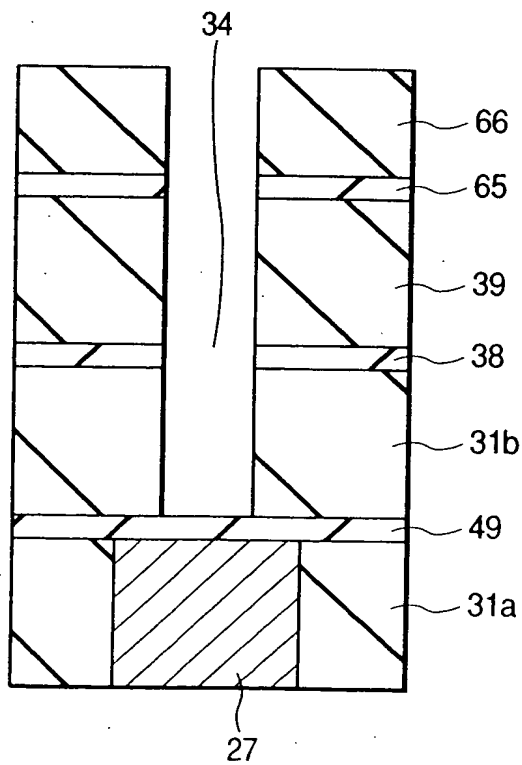


FIG. 68(a)

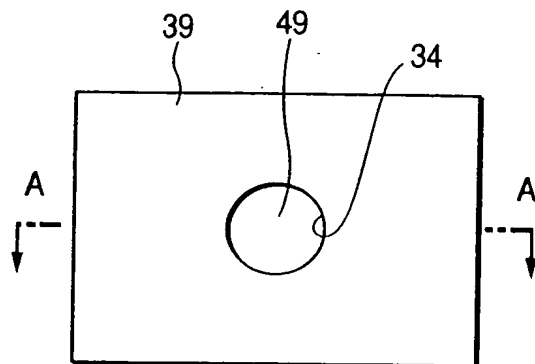


FIG. 68(b)

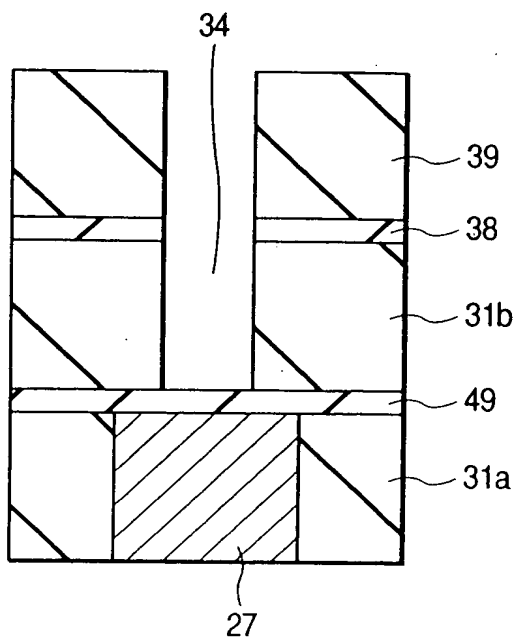


FIG. 69(a)

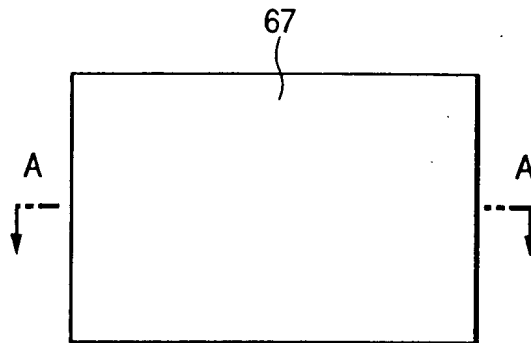


FIG. 69(b)

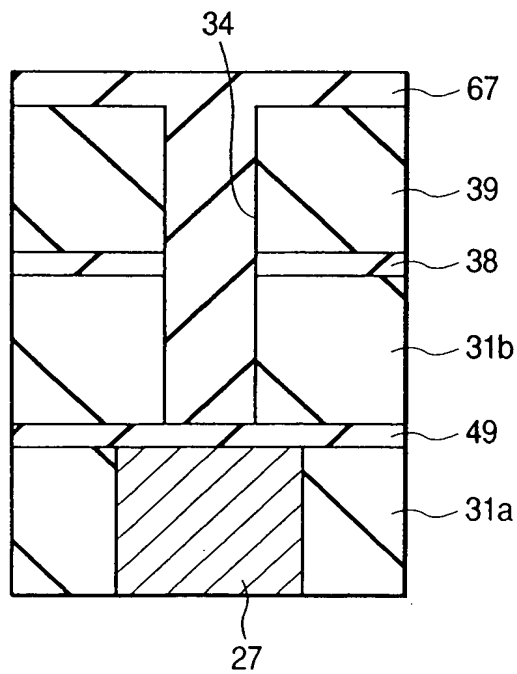


FIG. 70(a)

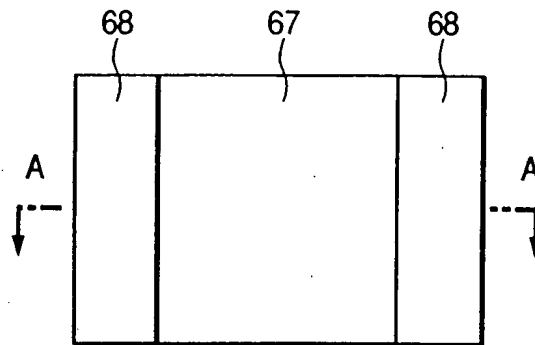


FIG. 70(b)

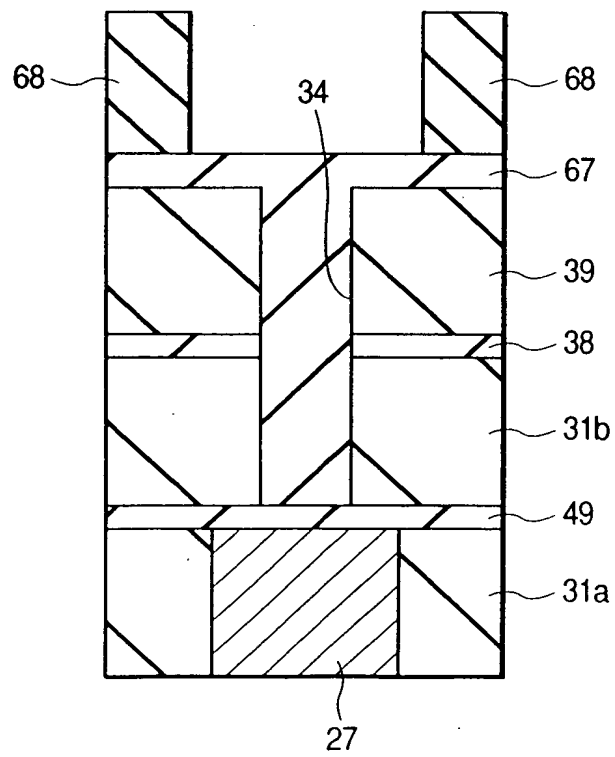


FIG. 71(a)

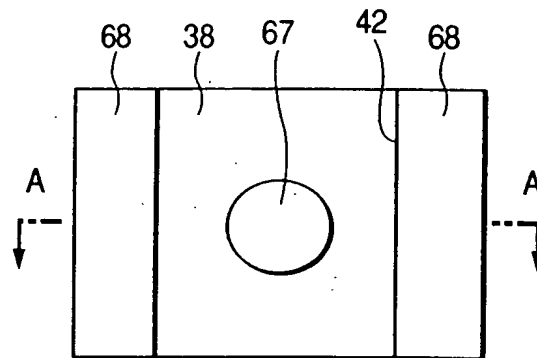


FIG. 71(b)

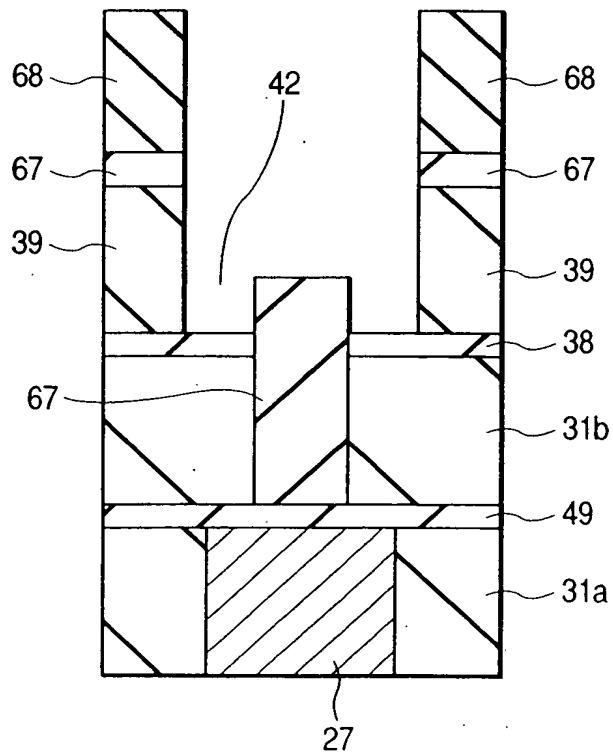


FIG. 72(a)

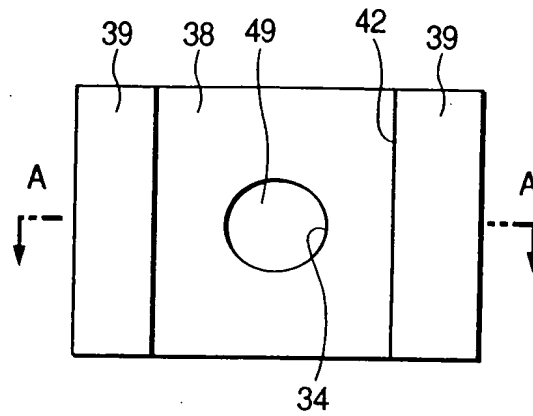


FIG. 72(b)

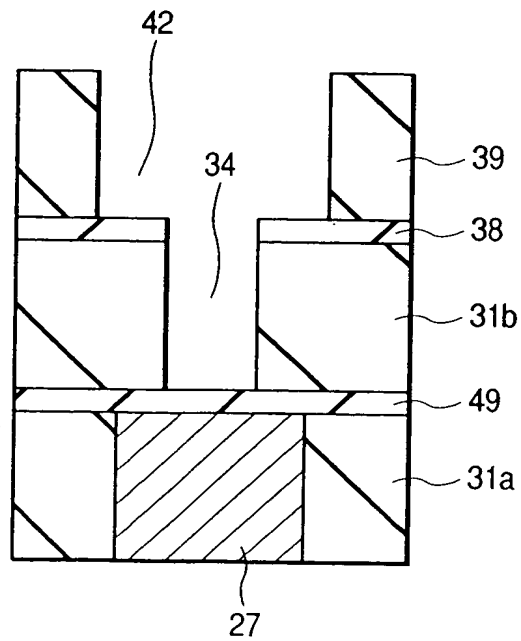


FIG. 73(a)

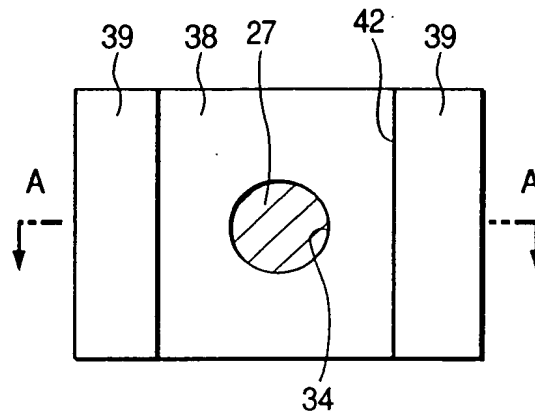


FIG. 73(b)

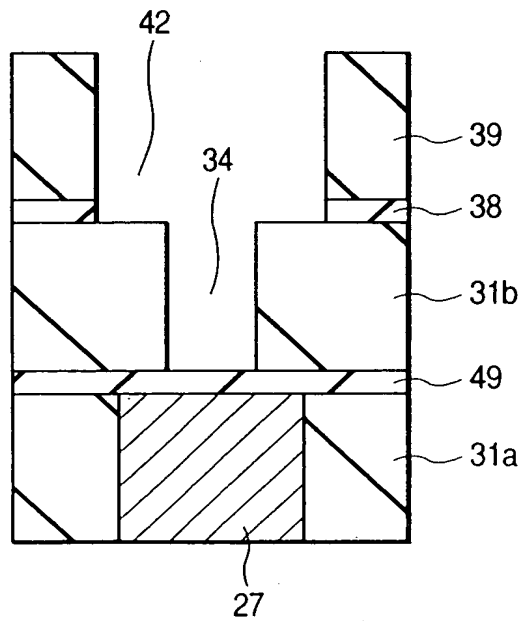


FIG. 74(a)

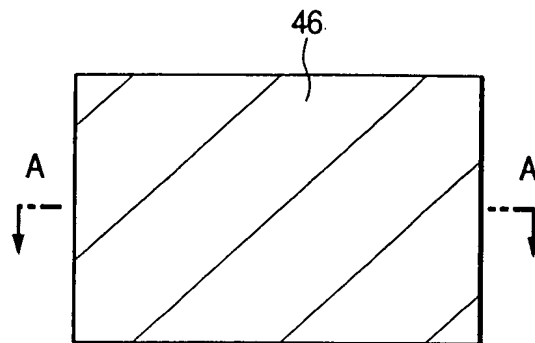


FIG. 74(b)

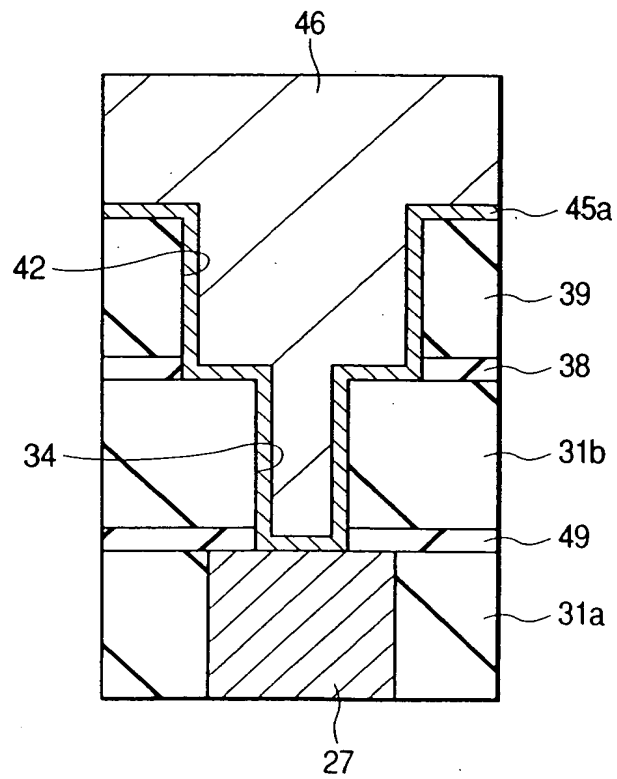


FIG. 75(a)

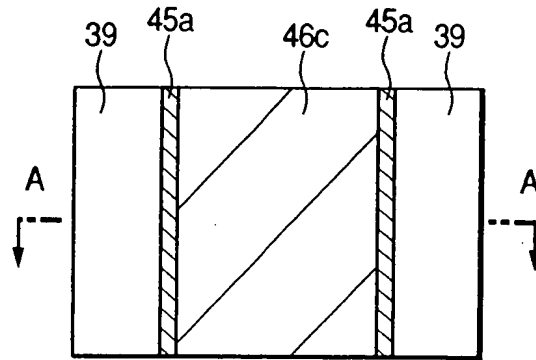


FIG. 75(b)

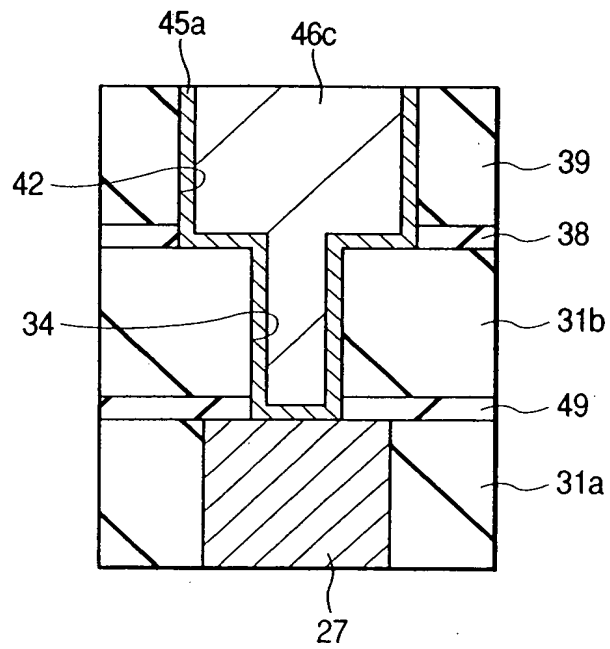


FIG. 76(a)

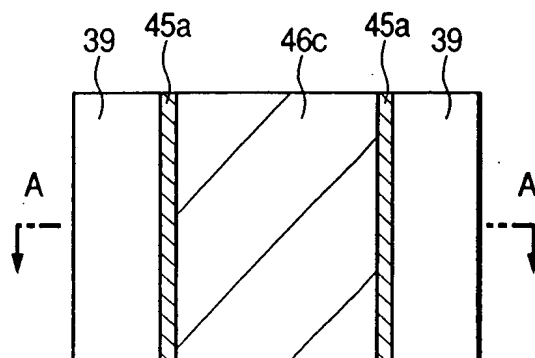


FIG. 76(b)

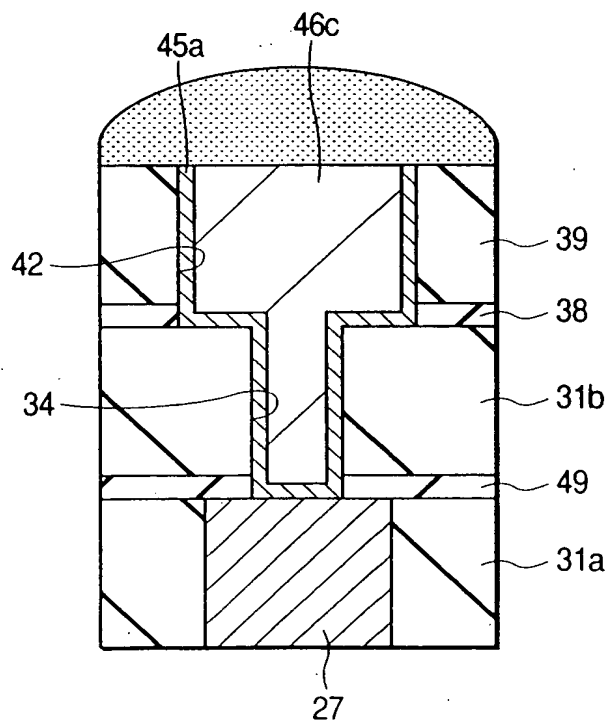


FIG. 77(a)

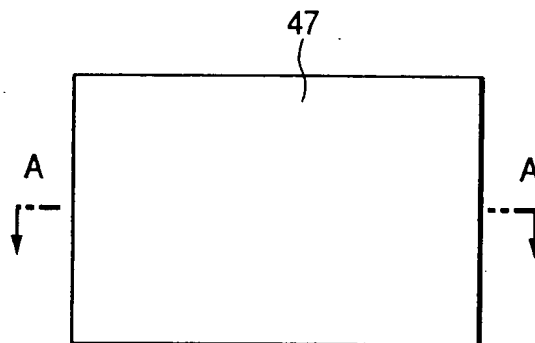


FIG. 77(b)

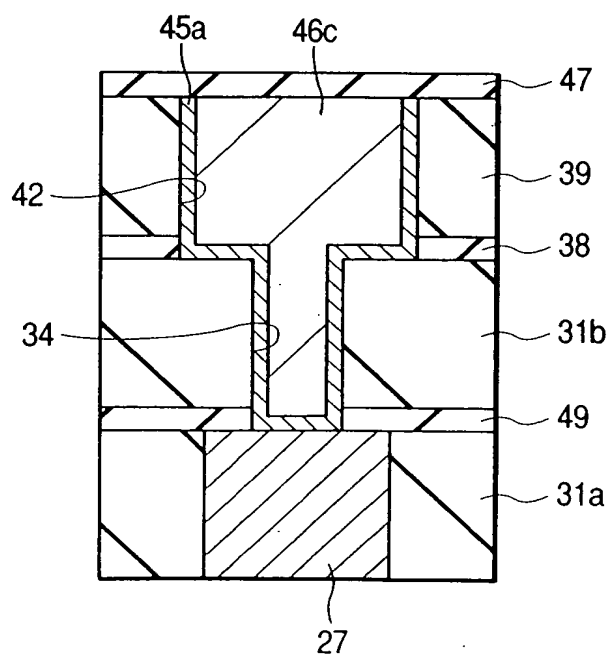


FIG. 78(a)

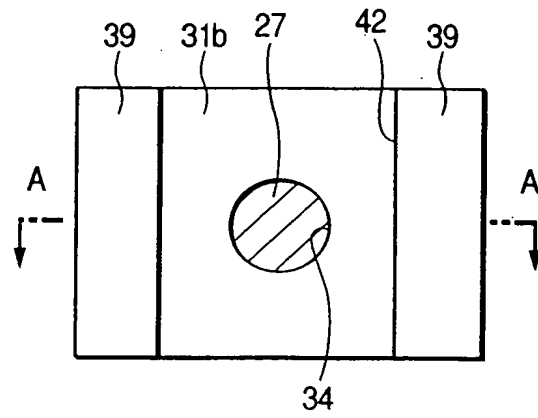


FIG. 78(b)

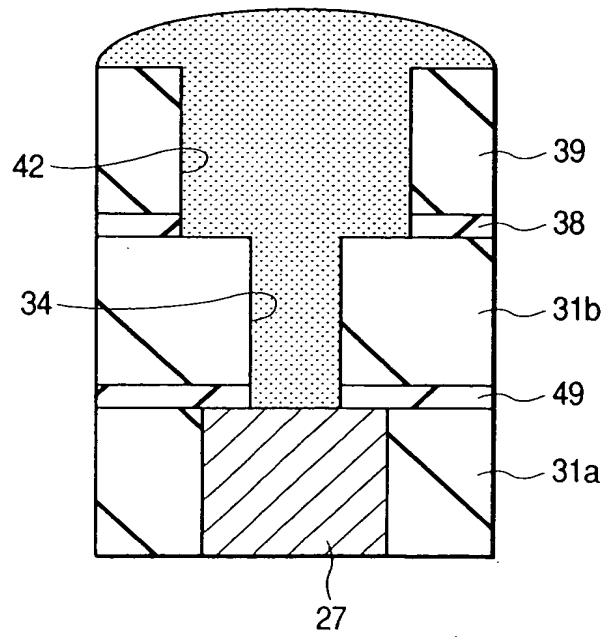


FIG. 79(a)

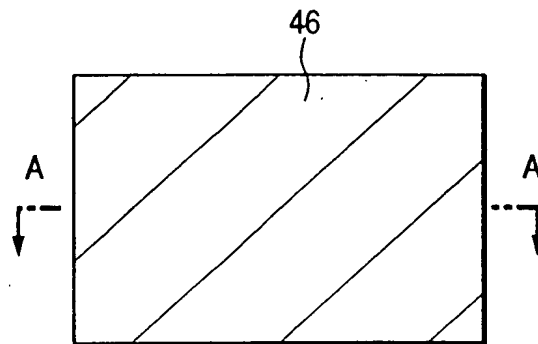


FIG. 79(b)

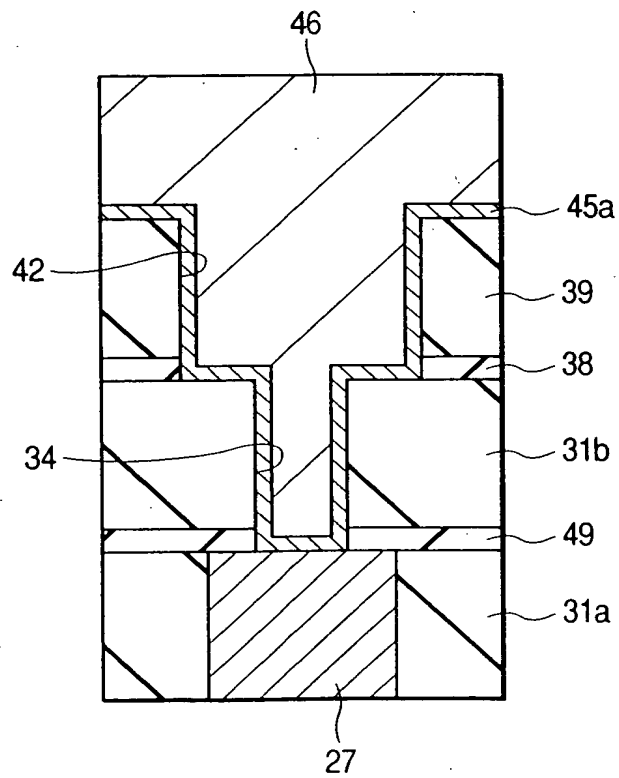


FIG. 80(a)

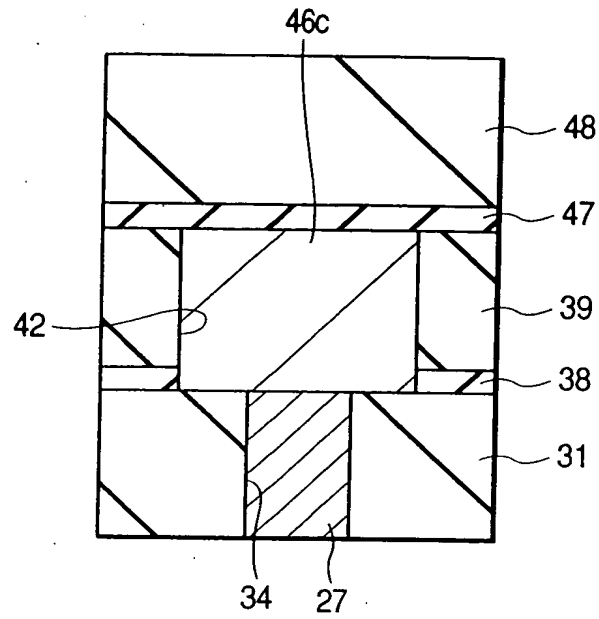


FIG. 80(b)

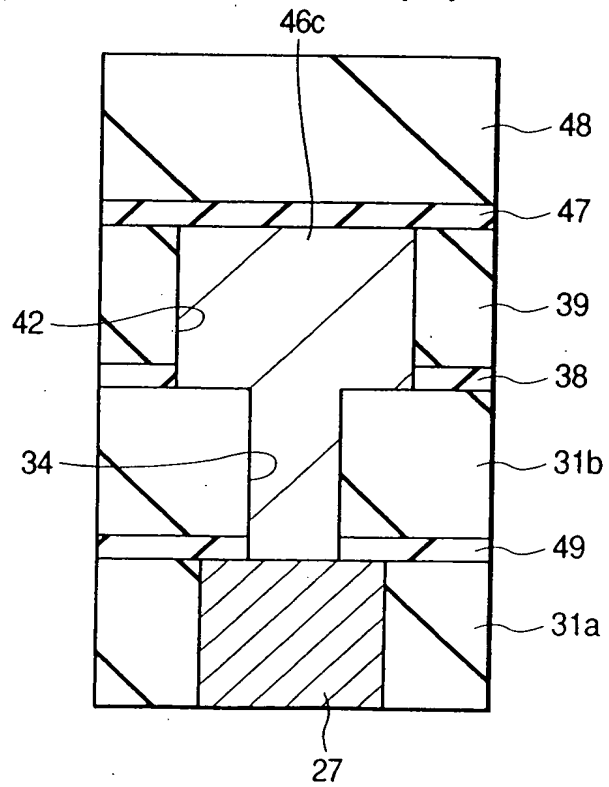


FIG. 81(a)

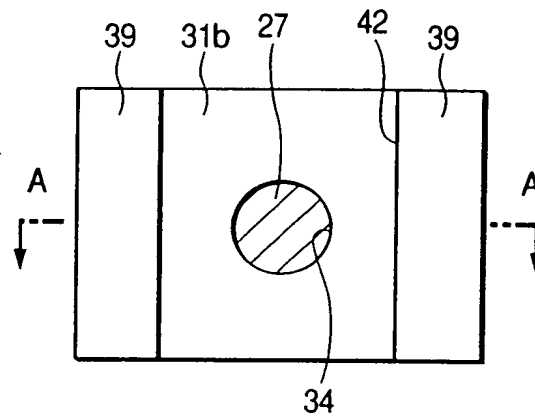


FIG. 81(b)

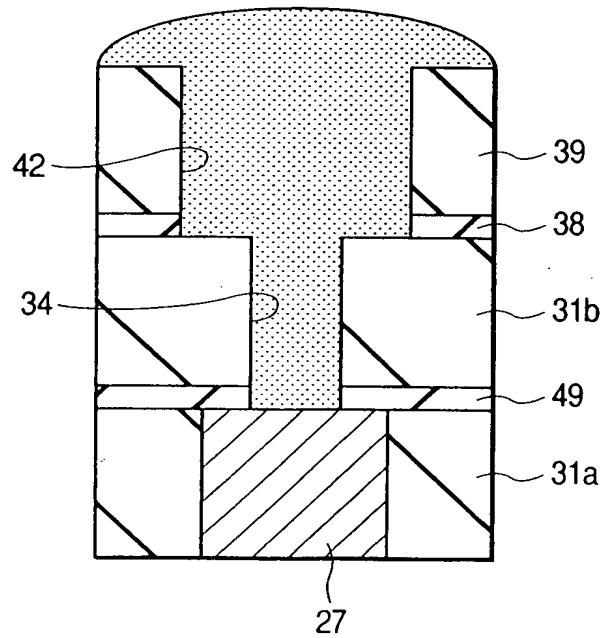


FIG. 82(a)

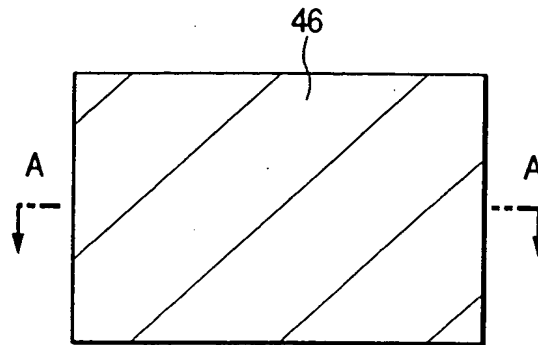


FIG. 82(b)

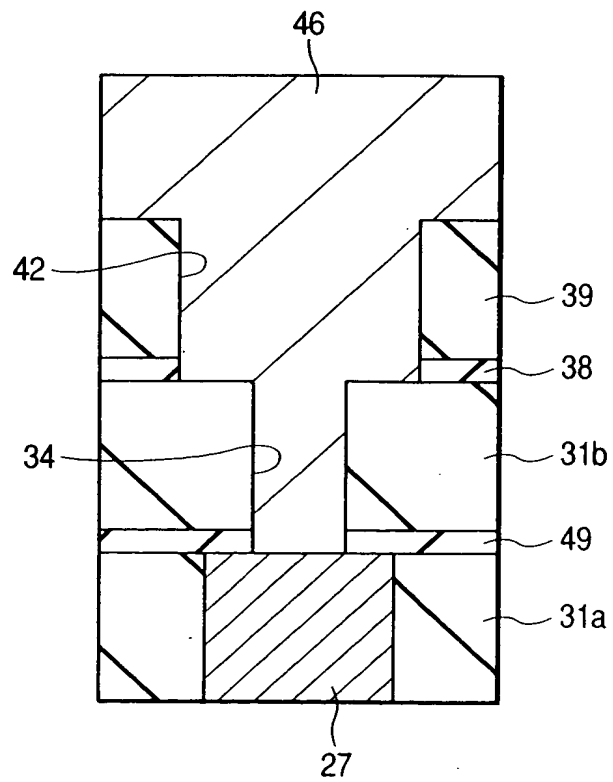


FIG. 83(a)

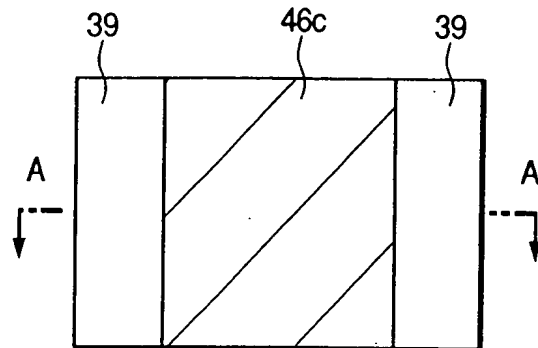


FIG. 83(b)

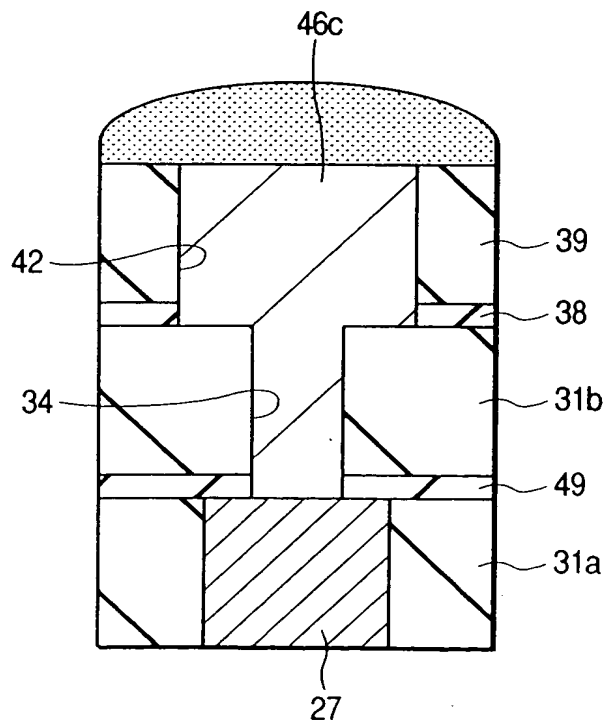


FIG. 84(a)

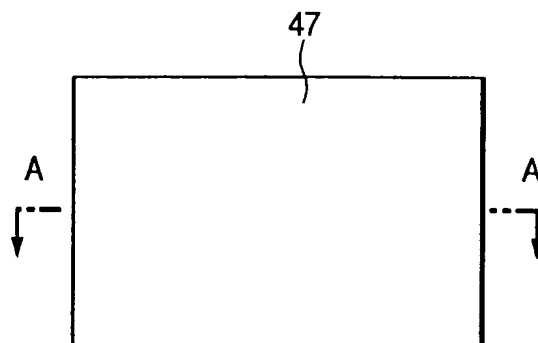


FIG. 84(b)

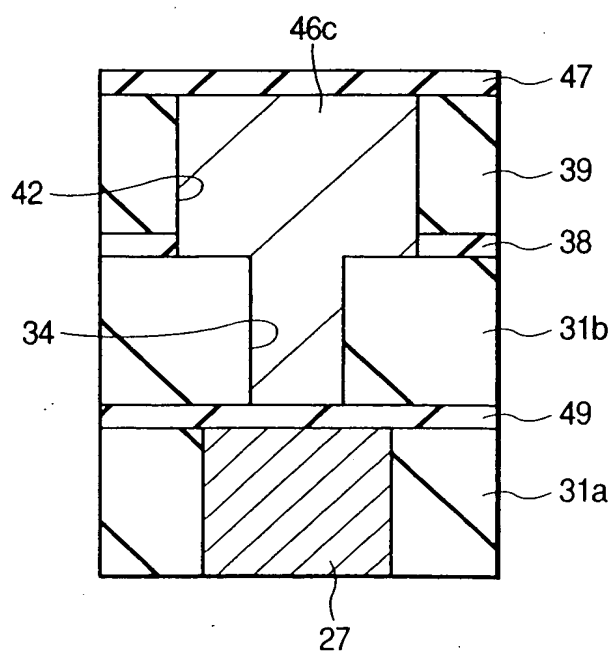


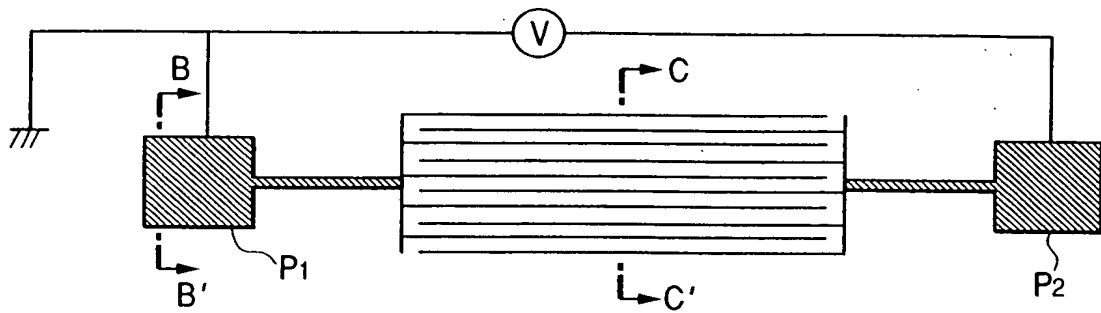
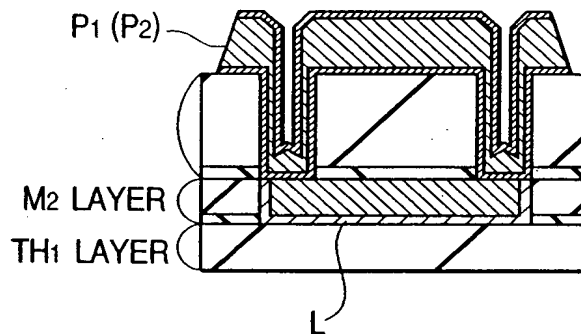
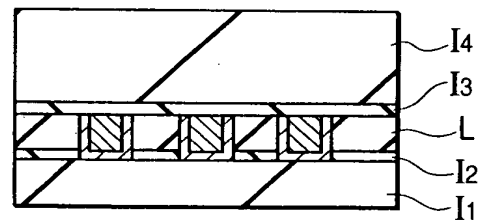
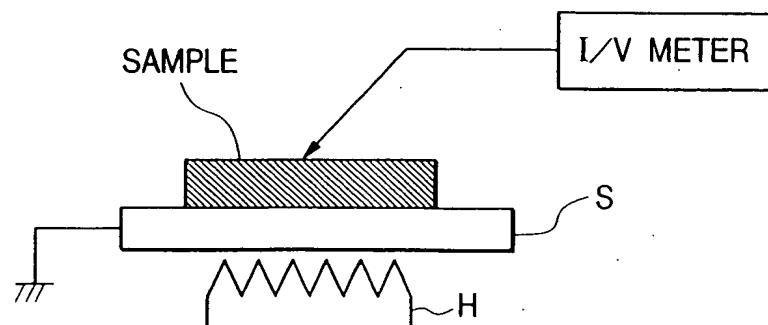
FIG. 85(a)*FIG. 85(b)**FIG. 85(c)**FIG. 86*

FIG. 87

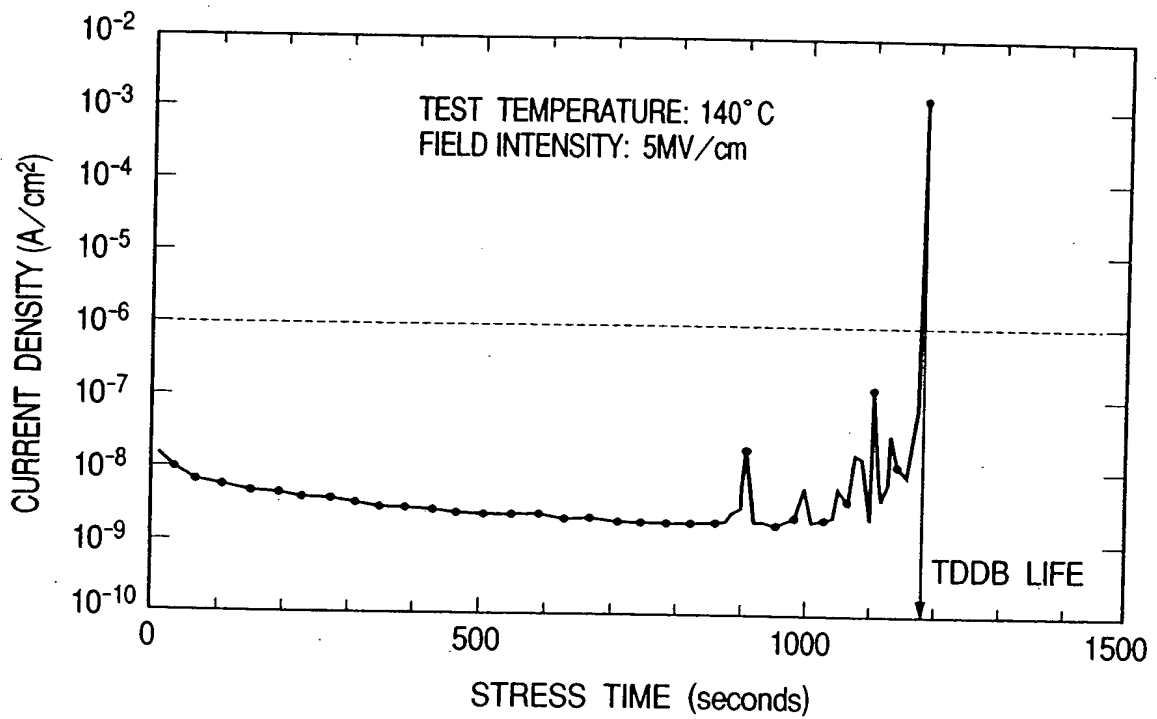


FIG. 88